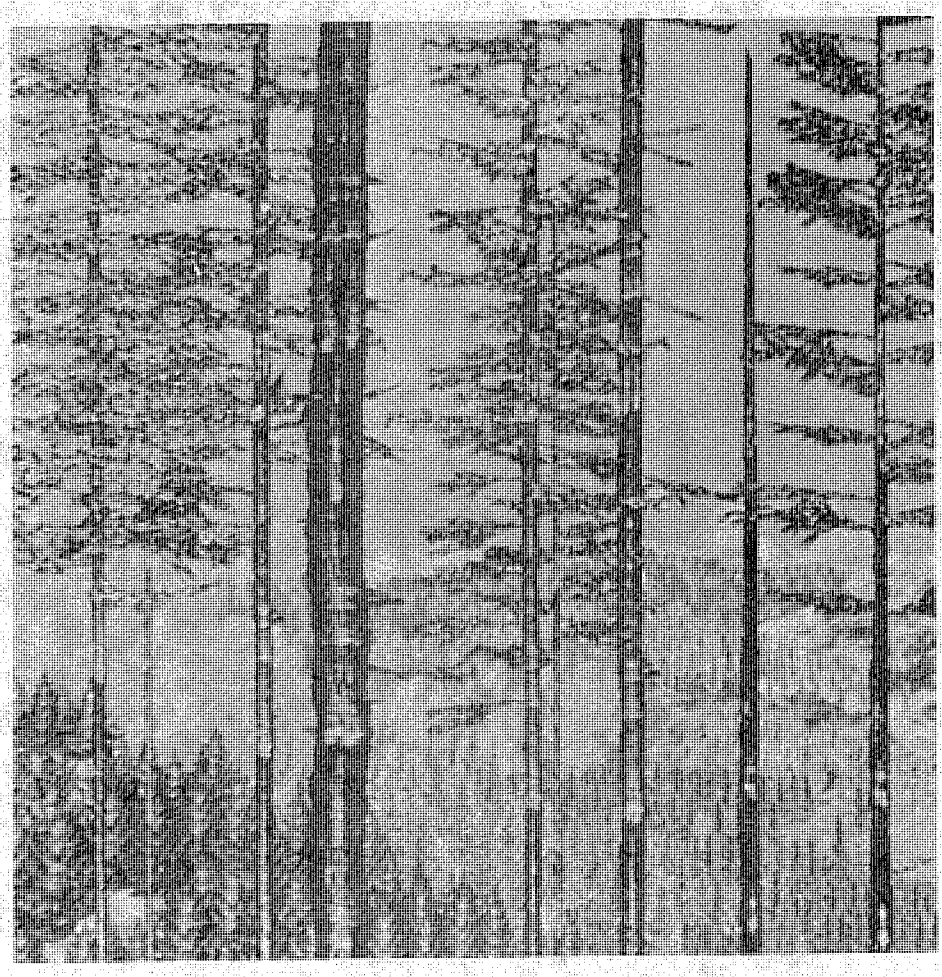
Georgia Tech

1987-88
FACT BOOK



1987-88
FACT BOOK

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

Edited by Rae Adams

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TABLE OF CONTENTS

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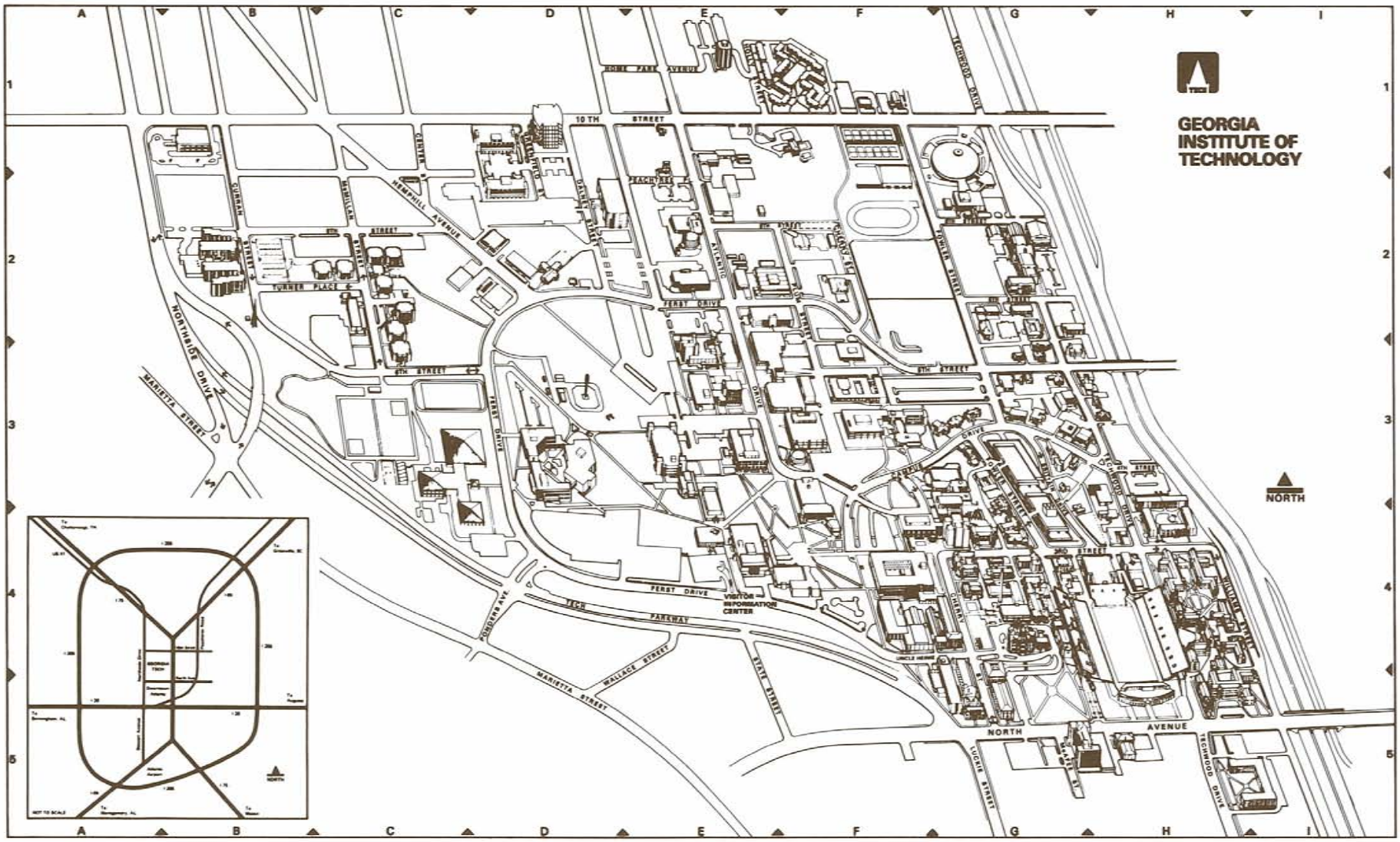
INTRODUCTION

1987-88

Fact Book


GEORGIA
INSTITUTE OF
TECHNOLOGY
NORTH
10 TH STREET
NORTHSIDE DRIVE
MARIETTA STREET
FERST DRIVE
TECH PARKWAY
VISITOR INFORMATION CENTER
NORTH AVENUE
HEMPHILL AVENUE
TURNER PLACE
WALLACE STREET
STATE STREET
TECHWOOD DRIVE
NOT TO SCALE

UPDATED - 8/87

PROFILE OF METROPOLITAN ATLANTA

CHAMBER OF COMMERCE P.O. Box 1740
Atlanta, Georgia 30301
404/586-4800

Metropolitan Area

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

Population

2,543,200; one of the five fastest-growing population centers in the U.S., Atlanta's population has increased 26.7% over the last decade; median age, 28.9; average disposable income, $36,517; of the population 25 years of age and older, 20.7% have completed four or more years of college.

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; Total Manufacturing Employment, 12th; Households, 9th; Enplaned Air Passengers, 2nd; Number of Residential Units Authorized by Permit, 3rd; Total Retail Sales, 10th; Net Effective Buying Income, 11th; Valuation of Total Private Nonresidential Construction, 4th; Population 35-49 Years of age, 10th; Aggregate $ Volume, Bank Clearings, 4th; Convention cities, 3rd busiest; Wholesale Trade Sales, 8th.

Transportation

Aviation: Hartsfield Atlanta International Airport: twenty-five passenger airlines operate out of Hartsfield, flying direct to 122 cities; nine all-cargo carriers operate on a permanent basis and numerous others on a contractual basis. Nineteen 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; AMTRAK.

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, with over 200 buses arriving and departing daily.

MARTA (Metropolitan Atlanta Rapid Transit Authority): MARTA's combined bus/rail ridership is more than 75 million annually.

Communications

Newspapers: Eight daily newspapers; over twenty-five weekly newspapers.

Television and radio: nine television stations; forty-one FCC licensed radio stations; cable service.

Telephone Service: Atlantans can call on a local basis, without any long distance charge, within a 3,300 square mile calling area that includes 1.3 million telephone lines. The area's telecommunication network is one of the most advanced in the world.

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 accommodate 18,000; 35,000 hotel and motel rooms.

Financial Services

Home of the Southeastern District Office of the Comptroller of the Currency, the Southeastern Regional Headquarters of the Federal Deposit Insurance Corporation (FDIC), the Sixth Federal Reserve District and the Fourth District of the Federal Home Loan Bank system; twenty-nine foreign banks; sixty-four commercial banks; twenty savings and loan associations; numerous securities firms, pension fund administrators, real estate investment and venture capital firms.

Economic Structure

Leading Atlanta industries are metals and machinery; transportation equipment; food and kindred products; printing and publishing; construction; lumber and furniture; 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. Retail trade, finance, insurance, and real estate and services are important. Atlanta is increasingly an international business center. There are approximately 600 foreign-owned companies and organizations. Facilities range from sales offices to U.S. headquarters and include manufacturers, real estate interests, and warehousing/distribution operations, among others. Forty-one countries have official representation in the area through consulates and trade/tourism/development offices.

Shopping

More than 500 shopping and specialty centers and sixteen regional shopping malls totaling over twenty million square feet. The 3.8 million sq. ft. Atlanta Market Center consisting of: the Atlanta Merchandise Mart, 2.6 million square feet with over 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-three public school systems, 425 kindergarten or elementary schools, 80 middle or junior high schools, 115 high schools, with approximately 400,000 students; thirty-one degree-granting colleges and universities and six junior colleges with an enrollment of approximately 95,000; six vocational-technical schools with a full-time day enrollment of approximately 11,000; over 50 proprietary business and career schools. Located throughout the area, Atlanta's private and parochial schools, totaling approximately 165 with 34,000 students, also offer a diversity of facilities and services for both average and exceptional children.

Research & Science Centers and Programs

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

Libraries

The Atlanta Public Library System has a central library in downtown Atlanta and twenty-five branch libraries. The system makes available over one million books; three thousand films and videocassettes; and a large selection of periodicals, records, cassettes, and framed art prints; and foreign-language materials. Additionally, most counties or municipalities in the metropolitan region maintain library

systems. The numerous colleges and universities in the area also maintain excellent libraries.

Housing

Atlanta boasts some of the most beautiful residential areas in the South, and many are close 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 synagogues in the metropolitan area representing some 65 creeds and denominations. Atlanta is also the headquarters for many church organizations.

Entertainment

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

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

The Arts

Woodruff Arts Center, home to the High Museum of Art and the Atlanta Memorial Arts Building, which contains facilities for drama, dance, a symphony orchestra, and a college of art in one complex--the Atlanta Symphony Orchestra, the Alliance Theatre, the Atlanta Children's Theatre, and the Atlanta College of Art; Callanwolde interdisciplinary arts center; the Annual Arts Festival; Atlanta Symphony Orchestra free concerts in Piedmont Park in the summer; several theatre groups; professional and avocational musical groups; dance, including the Atlanta Ballet, children's troupes, modern dance groups, Company Kaye (the Southeast's only dance/mine group); a center for puppetry arts, the only facility of its type in the country.

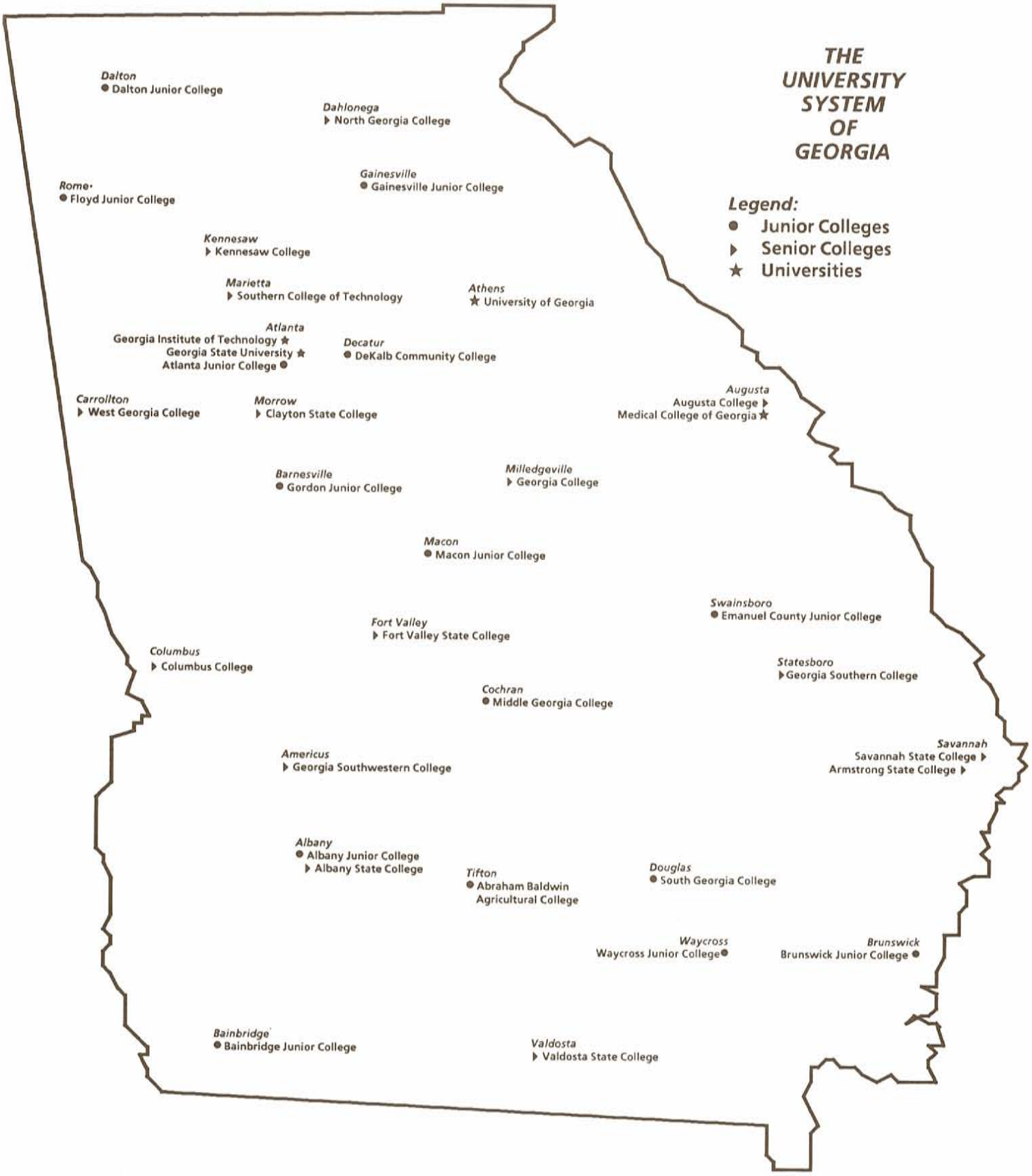
Sports and Recreation

Sports: Atlanta Fulton County Stadium (major league baseball--Braves; football, Falcons) with seating for 59,000; the Omni Coliseum, home of the Atlanta Hawks (basketball); collegiate athletic competitions; auto races and road racing; motorcycle 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.

Andrew Young, Mayor of Atlanta , with Dr. Crecine, President of Georgia Tech, at Tech's New Faculty Orientation, September 1987

THE UNIVERSITY SYSTEM OF GEORGIA



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 and includes all state-operated universities, senior colleges and junior colleges in Georgia. The system, now in its sixth decade of operation, offers programs of instruction, research, and public service designed to benefit the entire population of the state. These programs are conducted through the various institutions and institution-related agencies.

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

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

The System currently includes thirty-four institutions: four universities, fifteen senior colleges and fifteen junior colleges. These institutions are both individually distinctive and interrelated. They are geographically dispersed so that approximately ninety-six percent of the people in Georgia reside within thirty-five miles of at least one university or college.

Source: Office of the Board of Regents

MEMBERSHIP AND TERMS OF APPOINTMENT OF THE BOARD OF REGENTS

John Henry Anderson, Jr.	State-at-Large, 1983-1990
Marie Walters Dodd	State-at-Large, 1981-1988
Joseph D. Greene, Vice-Chair	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 District, 1983-1990
William T. Divine, Jr.	Second District, 1982-1989
William B. Turner	Third District, 1986-1993
Jackie M. Ward, Chair	Fourth District, 1984-1991
Elridge W. McMillan	Fifth District, 1982-1989
Edgar L. Rhodes	Sixth District, 1985-1992
W. Lamar Cousins	Seventh District, 1987-1994
Thomas H. Frier, Sr.	Eighth District, 1985-1992
James E. Brown	Ninth District, 1987-1994
John W. Robinson, Jr.	Tenth District, 1986-1993

STAFF OF THE BOARD OF REGENTS

H. Dean Propst	Chancellor
David Spence	Executive Vice Chancellor
Henry G. Neal	Executive Secretary
Jacob H. Wamsley	Vice Chancellor--Fiscal Affairs & Treasurer
Frederick O. Branch	Vice Chancellor--Facilities
W. Ray Cleere	Vice Chancellor--Academic Affairs
Arthur Dunning	Vice Chancellor--Services and Minority Affairs
Thomas F. McDonald	Vice Chancellor--Student Services
Haskin R. Pounds	Vice Chancellor--Research & Planning
Michael Moore	Interim Assistant Vice Chancellor--Planning
T. Don Davis	Assistant Vice Chancellor--Fiscal Affairs/Personnel
Anne Flowers	Assistant Vice Chancellor--Academic Affairs
Gordon M. Funk	Assistant Vice Chancellor--Fiscal Affairs--Accounting Systems and Procedures
Mary Ann Hickman	Assistant Vice Chancellor--Affirmative Action
H. Guy Jenkins, Jr.	Assistant Vice Chancellor--Facilities
Thomas E. Mann	Assistant Vice Chancellor--Facilities
David M. Morgan	Assistant Vice Chancellor--Academic Affairs
Roger Mosshart	Assistant Vice Chancellor--Fiscal Affairs--Budgets
J. Pete Silver	Assistant Vice Chancellor--Academic Affairs
Joseph J. Szutz	Assistant Vice Chancellor--Research

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. By January 1889, 129 students register to work toward the only degree offered, the Bachelor of Science in Mechanical Engineering.

1890 Tech graduates its first two students.

1892 Tech fields its first football team.

1896 The Schools of Civil Engineering and Electrical Engineering are established.

1899 The A. French Textile School is established.

1901 The School of Chemical Engineering is established. The Athletic Association is organized.

1903 John Heisman becomes the school's first full-time football coach.

1904 The Department of Modern Languages is established.

1906 The School of Chemistry is established. Andrew Carnegie donates $20,000 to build a library.

1907 The Carnegie Library opens.

1908 Tech's Night School opens. Fulton County grants an organizational charter to the Georgia Tech Alumni Association. The first edition of the annual, the *Blueprint*, appears. The Department of Architecture is established.

1910 The first official band is formed.

1911 The *Technique*, the weekly student newspaper, begins publication.

1912 The Cooperative Education Department is established to coordinate work-study programs.

1913 The School of Commerce, forerunner of the College of Management, is established.

1916 The Georgia Tech Student Association is established.

1917 The Department of Military Science is established. The Evening School of Commerce admits its first woman student.

1918 Tech joins the National Collegiate Athletic Association (NCAA). Senior units of the Coast Artillery and Signal Corps of the Reserve Officer Training Corps (ROTC) are established. The school and alumni launch the Greater Georgia Tech fund-raising campaign.

1919 The Legislature authorizes the Engineering Experiment Station.

1920 The national Alumni Association convenes its first meeting. George P. Burdell, Tech's long-lived mythical student, begins "attending" class.

1921 Tech becomes a charter member of the Southern Intercollegiate Conference.

1923 The *Georgia Tech Alumnus* magazine begins publication. The Alumni Association begins an alumni placement service. Tech is elected to the Southern Association of Colleges and Universities. A radio station is presented to Tech; the Institute receives an FCC license in 1924 to operate the station, whose call letters become WGST in 1925.

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.

1939 The School of Physics is established.

1942 The Department of Physical Education and Recreation is established.

1945 Tech becomes the first institution to provide low-cost married housing to GI Bill students. The School of Industrial and Systems Engineering is established.

1946 Tech adopts the quarter system.

1948 The Board of Regents authorizes Tech to change its name to the Georgia Institute of Technology. Southern Technical Institute opens as a branch of Tech. The Department of Architecture becomes the School of Architecture; the Department of Management becomes the School of Industrial Management; the School of Social Sciences is established.

1949 The YMCA-sponsored, student-maintained World Student Fund is created to support a foreign student program.

1950 The Department of Air Science (now Air Force Aerospace Studies) is established. Tech awards its first Doctor of Philosophy degree.

1952 The School of Mathematics is established. The Board of Regents votes to make Tech coeducational. The first two women students enroll in the fall quarter.

1954 The Georgia Tech Alumni Foundation becomes the Georgia Tech Foundation.

1955 The Rich Electronic Computer Center begins operation.

1956 Tech's first two women graduates receive their degrees.

1957 The Georgia Legislature grants Tech $2.5 million for a nuclear reactor.

1959 The School of Engineering Science and Mechanics and the School of Psychology are established.

1960 The School of Applied Biology is established.

1961 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.

CHRONOLOGICAL HIGHLIGHTS OF THE HISTORY OF GEORGIA TECH

1962 The School of Nuclear Engineering is established.

1963 The School of Information and Computer Science is established. Tech is the first institution in the United States to offer the master's degree in information science. The Water Resources Center is created. Renamed the Environmental Resources Center in 1970, it now functions as the Water Resources Research Institute of Georgia.

1964 Tech leaves the Southeastern Conference (SEC).

1965 Compulsory ROTC ends.

1969 The School of Industrial Management becomes the College of Management. The Bioengineering Center is established in conjunction with Emory University.

1970 Southern Tech is authorized to grant four-year degrees. The School of Geophysical Sciences is established.

1975 The name of the General College is changed to the College of Sciences and Liberal Studies, 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.

1977 The Center of Radiological Research is formed to coordinate research in health physics.

1978 Georgia Tech joins the Atlantic Coast Conference (ACC). The Georgia Mining Resources Institute, linked to the U.S. Bureau of Mines, is formed. The Fracture and Fatigue Research Laboratory is 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. The Higher Education Management Institute study is begun.

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. The Long Range Plan is begun.

1984 The Engineering Experiment Station changes its name to the Georgia Tech Research Institute. Georgia Tech's contract corporation changes its name from the Georgia Tech Research Institute to the Georgia Tech Research Corporation. The Graduate Cooperative Program is formed to include graduate students in Tech's work-study program.

1985 The School of Ceramic Engineering incorporates the Metallurgy program to form the School of Materials Engineering. The Georgia Legislature authorizes $15 million to fund the Center for Excellence in Microelectronics. The Centennial Campaign begins.

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

1987 The Georgia Tech/Emory University Biomedical Technology Research Center is established. The School of Engineering Science and Mechanics is incorporated into the School of Civil Engineering.

Source: Office of Publications; Office of the Associate Vice President for Academic Affairs

STATEMENT OF PURPOSE

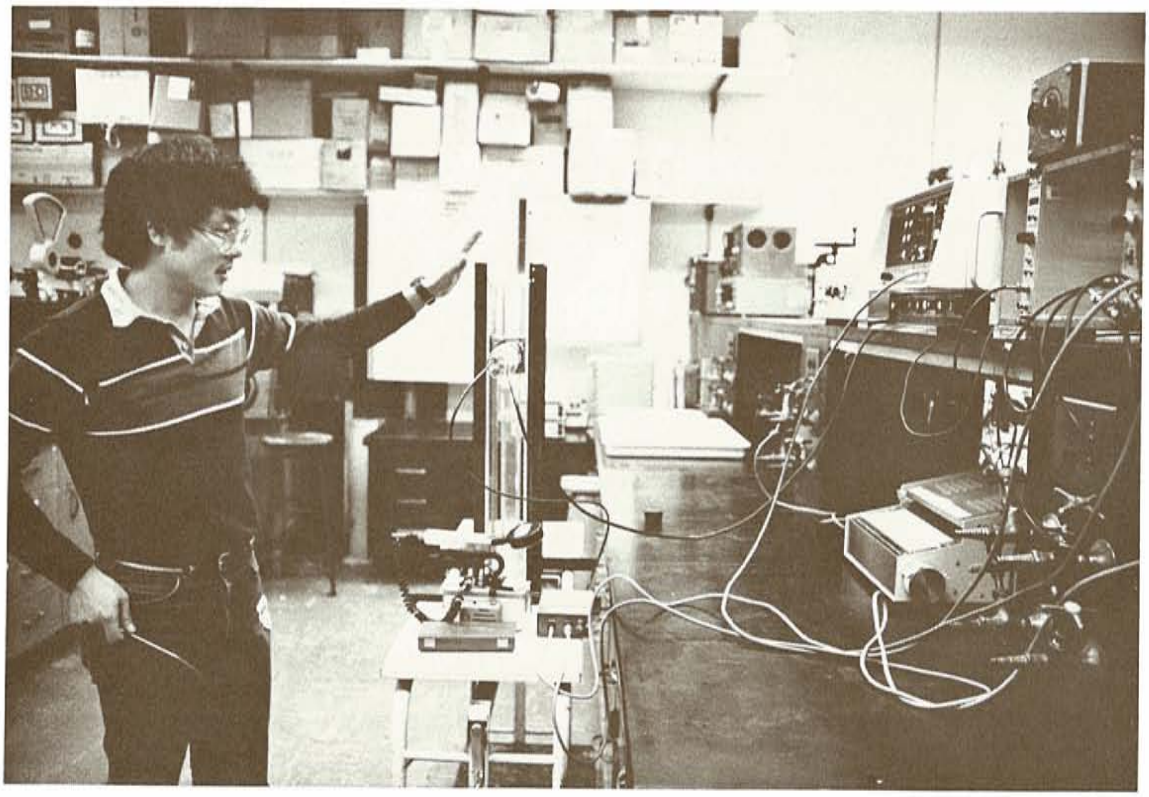
The purpose of the Georgia Institute of Technology is to contribute to the fulfillment of the scientific and technical needs of the state of Georgia through education, research, and service.

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)



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

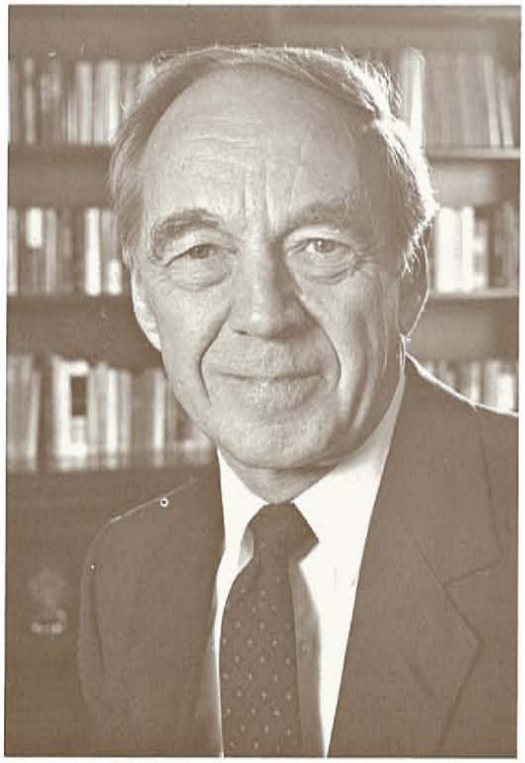
The Accreditation Board for Engineering and Technology has accredited the four-year engineering curricula leading to bachelor's degrees in the following fields: aerospace engineering, ceramic engineering, chemical engineering, civil engineering, electrical engineering, engineering science and mechanics, 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



Dr. Henry C. Bourne, Jr.

Dr. John Patrick Crecine

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
1986-1987	Henry C. Bourne, Jr., Acting President
1987-present	John Patrick Crecine

Source: Office of the President

DR. JOHN PATRICK CRECINE

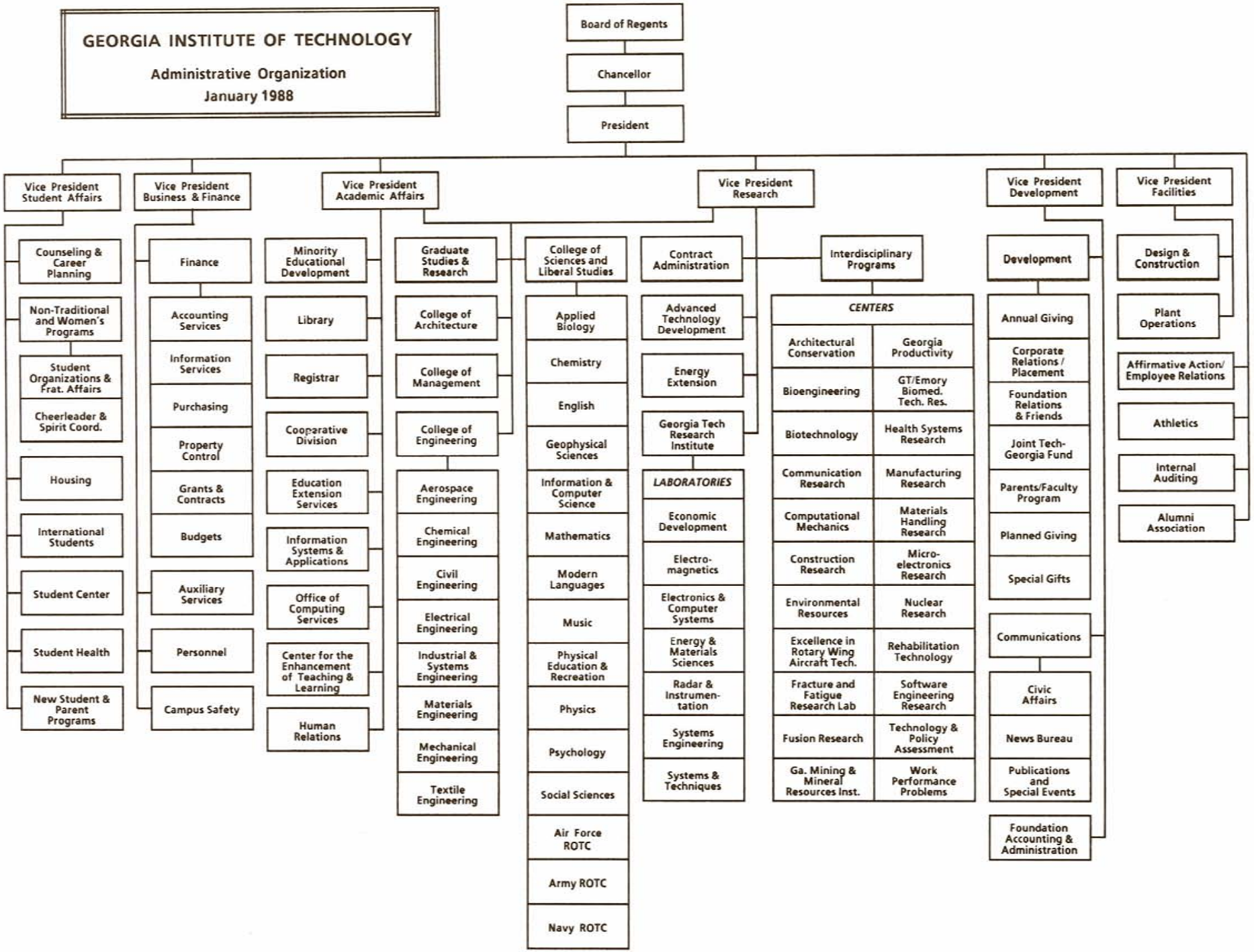
On 1 November 1987, Dr. John Patrick [Pat] Crecine assumed the leadership of Georgia Tech as the Institute's ninth president. Crecine holds a B.S. (1961) in Industrial Management, and an M.S. (1963) and Ph.D. (1966) in Industrial Administration from Carnegie-Mellon University.

After receiving his doctorate, Crecine held positions at the U.S. Department of Commerce, the U.S. Bureau of Budget, the Rand Corporation, and the University of Michigan where he was professor of political science and sociology and founding director of the Institute of Public Policy Studies. In 1976, he became dean of the College of Humanities and Social Sciences at Carnegie-Mellon and was professor of political economy. From 1983 until his appointment as Georgia Tech's president, Crecine served as Carnegie-Mellon's senior vice president for Academic Affairs.

GEORGIA INSTITUTE OF TECHNOLOGY

Administrative Organization

January 1988



ADMINISTRATION

Office of the President

John Patrick Crecine	President
John B. Carter, Jr.	Assistant to the President/Alumni Relations
Homer C. Rice	Assistant to the President/ Athletics
John H. Gibson	Assistant to the President/Employee Relations and Affirmative Action

Office of the Vice President for Academic Affairs

Henry C. Bourne, Jr.	Vice President
E. Jo Baker	Associate Vice President
Clifford Bragdon	Associate Vice President and Director, Education Extension Services
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
David J. McGill	Director, Center for the Enhancement of Teaching and Learning
Donald L.W. Bratcher	Director, Human Relations
William H. Hitch	Director, Cooperative Division

Office of the Vice President for Research

Thomas E. Stelson	Vice President
Albert P. Sheppard, Jr.	Associate Vice President
Gary W. Poehlein	Associate Vice President for Graduate Studies & Research
Richard T. 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
Fred A. Rossini	Director, Office of Interdisciplinary Programs

College of Management

Gerald J. Day	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

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
Alton P. Jensen	Acting Director, School of Information & Computer Science
William J. Kammerer	Acting 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	Head, Department of English
J. Carroll Brooks	Acting Head, Department of Modern Languages
Gregory Colson	Head, Department of Music
Captain Donald Abbey	Head, Department of Navy ROTC
James A. Reedy	Head, Department of Physical Education & Recreation

ADMINISTRATION

College of Engineering

William M. Sangster	Dean
W. Denney Freeston, Jr.	Associate Dean
Robin B. 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
Fred L. Cook	Acting Director, School of Textile Engineering

Office of the Registrar

Frank E. Roper, Jr.	Registrar
William F. Leslie	Associate Registrar
Jerry L. Hitt	Director, Admissions
David Gray	Director, Financial Aid
Annette Satterfield	Director, Records
M. Jo McIver	Director, Registration
James L. Garner	Director, Undergraduate Recruiting

Graduate Studies

Gary W. Poehlein	Associate Vice President, Graduate Studies and Research, and Dean, Graduate Studies
Helen E. Grenga	Assistant Vice President for Graduate Studies and Research

Library

Miriam A. Drake	Director
Helen R. Citron	Associate Director

Student Affairs

James E. Dull	Vice President/Dean of Student Affairs
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
Sophia S. Wright	Assistant to the Vice President/Handicapped and Non-Traditional Student Services
W. Miller Templeton	Director, International Student Services and Programs
Barbara J. Winship	Director, Counseling & Career Planning
Gary J. Schwarzmueller	Director, Housing
Roger E. Wehrle	Director, Student Center
J. Nicholas Gordon	Director, Student Health

Information Technology

John M. Gehl	Acting Director, Computing Services
Ray Spalding	Associate Director, Computing Services
Gary G. Watson	Director, Information Systems and Applications
James R. Woolen	Associate Director, Information Systems and Applications

ADMINISTRATION

Georgia Tech Research Institute

Donald J.Grace	Director
Gerald J. Carey	Associate Director
Howard G. Dean, Jr.	Associate Director
Robert G. Shackelford	Associate Director
James C. Wiltse	Associate Director
P. J. O'Hare	Assistant Director
David S. Clifton, Jr.	Director, Economic Development Laboratory
Devon G. Crowe	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

Interdisciplinary Programs

Frederick A. Rossini	Director, Interdisciplinary Programs, and Director,Technology Policy and Assessment Center
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 Mining and Minerals Resources Institute
D.M. Herold	Acting 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
Ira Pence	Director, Materials Handling Research Center
Joan Pettigrew	Director, Communication Research Center
Ratab A. Karam	Director, Nuclear Research Center
Frederick Rossini	Acting Director, Software Engineering Research Center
Louis Circeo	Director, Construction Research Center
M.W. Thomas	Interim Director, Manufacturing Engineering Research Center

Business & Finance

Richard Fuller, Jr.	Vice President
C. Evan Crosby	Associate Vice President/Finance
Delores Gaddis	Director, Purchasing
John Gibson	Director, Personnel
Joel Hubbard	Director, Accounting Services
H. T. Marshall	Director, Internal Auditing
Annette Marlowe	Director, Property Control
Billy B. Portwood	Director, Budgets
Jack Vickery	Director, Campus Safety
Roger E. Wehrle	Director, Auxiliary Services
David V. Welch	Director, Grants and Contracts
Michael J. Brandon	Director, Information Services

ADMINISTRATION

Facilities

Clyde D. Robbins	Vice President for Facilities
James L. Priest	Director, Plant Operations
Jack P. Fenwick	Director, Design and Construction

Office of Communications and Development

Warren Heemann	Vice President
Mary E. Stoffregen	Director for Accounting and Administration
Patrick J. McKenna	Secretary, Georgia Tech Foundation, Inc.

Communications

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

Development

Charles E. Gearing	Associate Vice President
Catherine C. Inabnit	Director for Development/Parents and Faculty Programs
Michael C. Polak	Director for Development/Joint Tech-Georgia Development Fund
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 and Friends Program
Robert Hawkins	Acting Director for Development/Corporate Relations and Placement

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 Services

Clifford R. Bragdon	Associate Vice President for Academic Affairs & Director, Education Extension Services
George H. Adams	Associate Director
Charles Pope	Associate Director, Finance
Charles Windish	Acting Director, Foreign Language Institute
Steven Hottman	Acting Director, Institute for Planning/Operational Analysis

Advanced Technology Development Center

Richard T. Meyer	Director
H. Wayne Hodges	Associate Director
W. Darrell Gertsch	Associate Director

DEGREES OFFERED

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

Science

In the College of Architecture:
Building Construction
Industrial Design

In the College of Engineering:
Aerospace Engineering
Ceramic Engineering
Chemical Engineering
Civil Engineering
Computer Engineering
Electrical Engineering
Engineering Science & Mechanics
Health Physics
Industrial Engineering
Materials Engineering
Mechanical Enginering
Nuclear Engineering
Textiles
Textile Chemistry
Textile Engineering

In the College of Management:
Economics
Management
Management Science

In the College of Sciences and Liberal Studies:
Applied Biology
Applied Mathematics
Applied Physics
Applied Psychology
Chemistry
Information & Computer Science
Physics

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

In the College of Architecture:
Architecture
City Planning

In the College of Engineering:
Aerospace Engineering
Ceramic Engineering
Chemical Engineering
Civil Engineering
Electrical Engineering
Engineering Science & Mechanics
Environmental Engineering
Health Physics
Health Systems
Industrial & Systems Engineering
Mechanical Engineering
Metallurgical Engineering
Nuclear Engineering
Operations Research
Textile Chemistry
Textile Engineering
Textiles

In the College of Management:
Management
Statistics

In the College of Sciences and Liberal Studies:
Applied Biology
Applied Mathematics
Applied Physics
Atmospheric Sciences
Chemistry
Geophysical Sciences
Information & Computer Science
Physics
Polymers
Psychology
Technology & Science Policy

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

In the College of Architecture:
Architecture

In the College of Engineering:
Aerospace Engineering
Ceramic Engineering
Chemical Engineering
Civil Engineering
Electrical Engineering
Engineering Science & Mechanics
Environmental Engineering
Health Physics
Industrial & Systems Engineering
Mechanical Engineering
Metallurgy
Nuclear Engineering
Operations Research
Textile Engineering

In the College of Management:
Economics
Management

In the College of Sciences and Liberal Studies:
Applied Biology
Atmospheric Sciences
Chemistry
Geophysical Sciences
Information & Computer Science
Mathematics
Physics
Psychology

Source: Office of the Registrar

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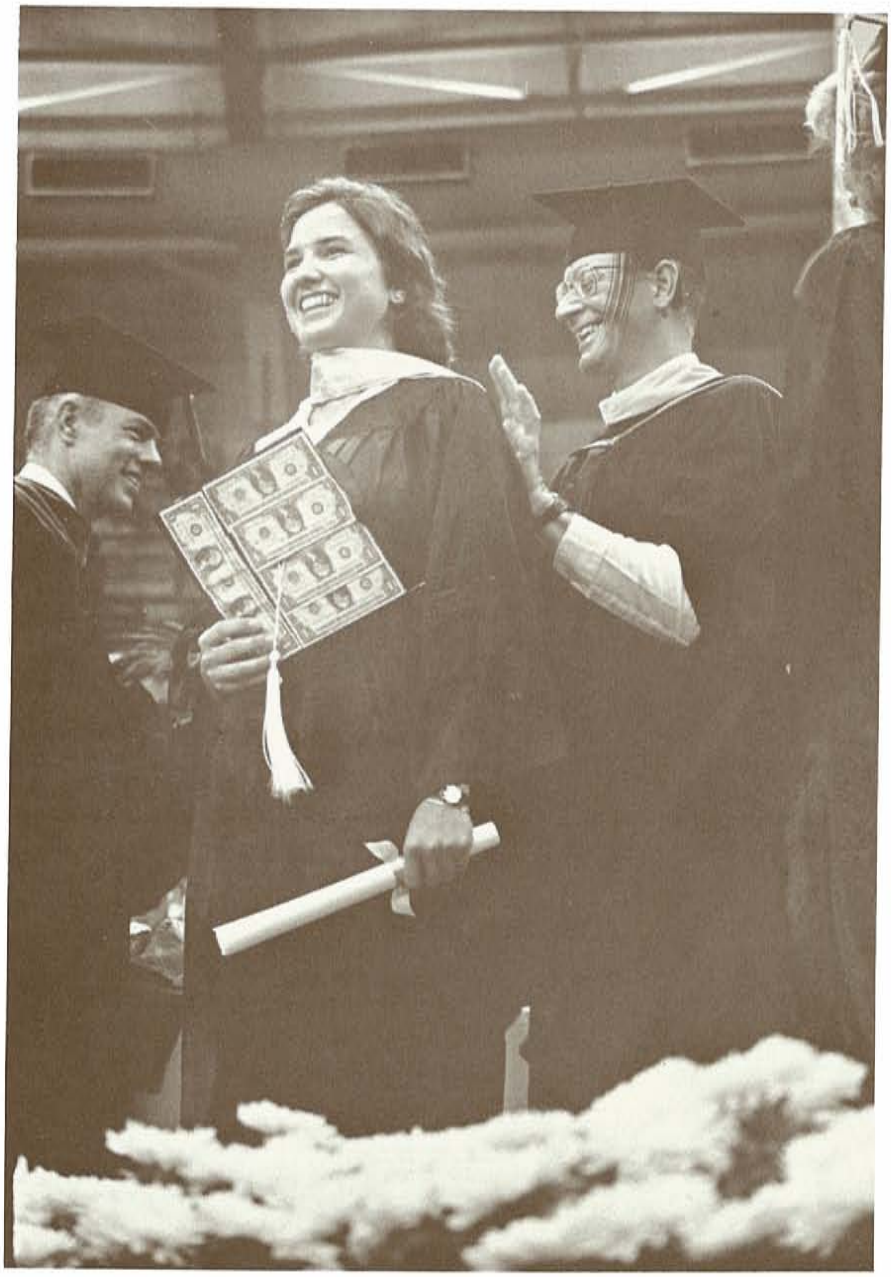
STUDENT PROFILES

1987-88

Fact Book



FRESHMAN PROFILE
FALL QUARTER

FALL 1987

PERCENTILE	HIGH SCHOOL AVERAGE	SAT* VERBAL	SAT* MATHEMATICS	SAT* TOTAL
90	4.0	668	748	1416
80	4.0	629	724	1353
70	3.9	599	698	1297
60	3.8	573	681	1254
50	3.7	551	663	1214
40	3.6	532	646	1178
30	3.4	508	625	1133
20	3.3	485	603	1088
10	3.1	449	574	1023
AVERAGE	**3.6**	**550**	**656**	**1206**

FALL 1982

PERCENTILE	HIGH SCHOOL AVERAGE	SAT* VERBAL	SAT* MATHEMATICS	SAT* TOTAL
90	4.0	640	733	1373
80	3.9	601	700	1301
70	3.8	577	677	1254
60	3.7	552	656	1208
50	3.6	532	635	1167
40	3.5	514	617	1131
30	3.3	494	595	1089
20	3.2	469	570	1039
10	3.1	439	546	985
AVERAGE	**3.5**	**530**	**630**	**1160**

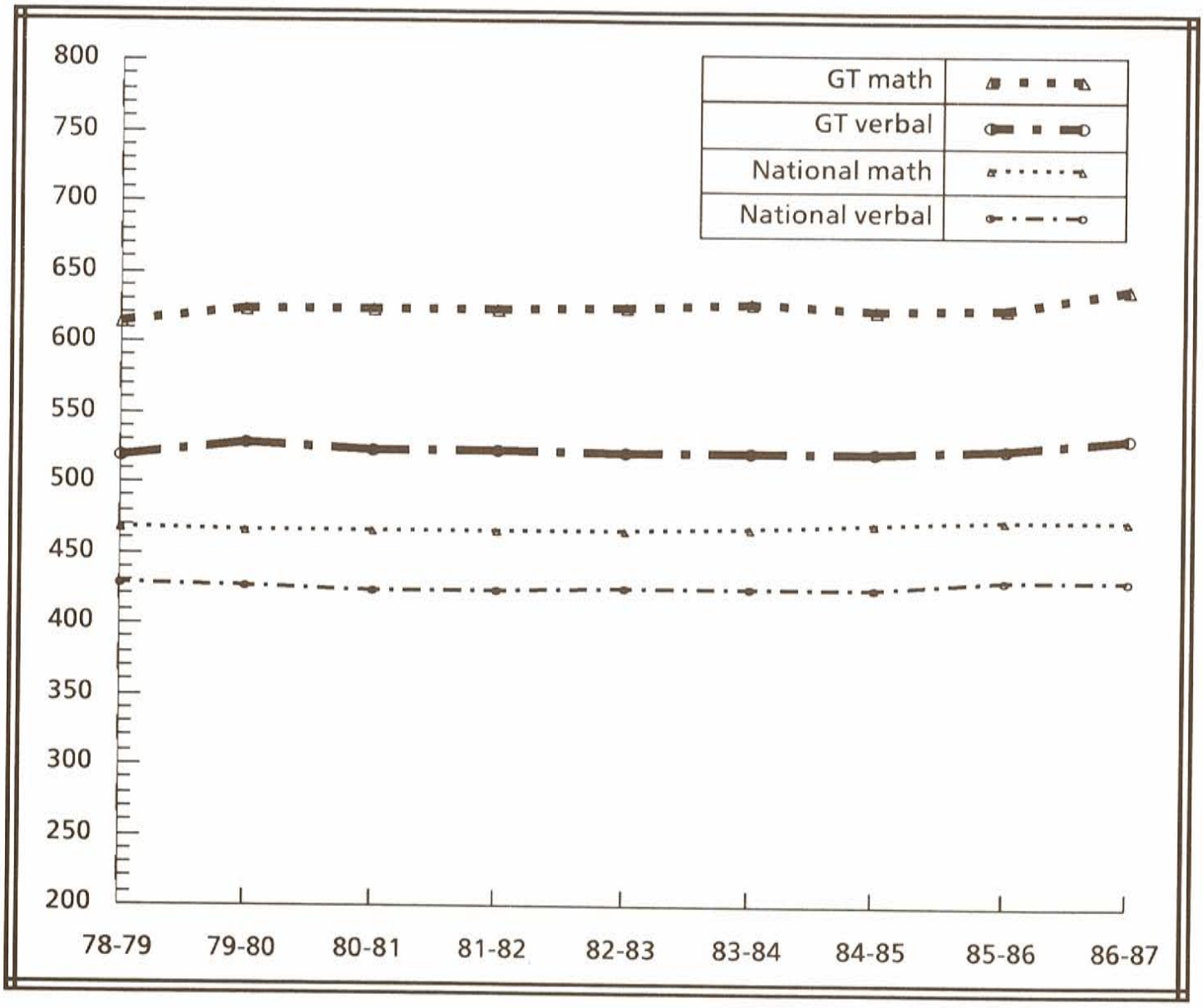
*Scholastic Aptitude Test

FALL QUARTER AVERAGE SCHOLASTIC APTITUDE TEST SCORES

YEAR	VERBAL	MATH	TOTAL
1987	550	656	1206
1986	541	646	1187
1985	535	638	1173
1984	532	636	1168
1983	524	632	1156
1982	530	630	1160
1981	530	628	1158
1980	531	631	1162

Source: Office of the Registrar

AVERAGE SCHOLASTIC APTITUDE TEST COMPOSITE SCORES FOR ENTERING FRESHMEN



	GEORGIA TECH CUMULATIVE ENROLLMENT AVERAGE SAT*					NATIONAL AVERAGE SAT*				
	VERBAL		MATH		TOTAL	VERBAL		MATH		TOTAL
YEAR	Male	Female	Male	Female		Male	Female	Male	Female	
1986-87	535	528	649	610	1174	435	425	500	453	906
1985-86	526	521	634	600	1151	437	426	501	451	906
1984-85	526	513	631	601	1147	433	420	495	449	897
1983-84	521	525	636	600	1149	430	420	493	445	893
1982-83	522	523	634	598	1149	431	421	493	443	893
1981-82	525	520	631	593	1147	430	418	492	443	890
1980-81	523	527	630	602	1148	428	420	491	443	890
1979-80	529	530	634	599	1153	431	423	493	443	894
1978-79	518	525	621	590	1134	433	425	494	444	897

*Scholastic Aptitude Test

Source: Office of the Registrar

FRESHMAN ADMISSIONS

FRESHMAN ADMISSIONS, FALL QUARTERS 1983-87

YEAR & COLLEGE	*NUMBER APPLIED*	*NUMBER ACCEPTED*	*% OF APPLIED ACCEPTED*	*NUMBER ENROLLED*	*% OF APPLIED ENROLLED*	*% OF ACCEPTED ENROLLED*
FALL 1983						
Architecture	283	116	41%	70	25%	60%
Engineering	3,645	2,160	59%	1,076	30%	50%
COSALS	1,005	607	60%	327	33%	54%
Management	314	177	56%	116	37%	66%
Institution	5,247	3,060	58%	1,589	30%	52%
FALL 1984						
Architecture	281	162	58%	89	32%	55%
Engineering	3,365	2,470	73%	1,205	36%	49%
COSALS	925	653	71%	294	32%	45%
Management	351	215	61%	125	36%	58%
Institution	4,922	3,500	71%	1,713	35%	49%
FALL 1985						
Architecture	324	180	56%	96	30%	53%
Engineering	3,345	2,448	73%	1,221	37%	50%
COSALS	857	646	75%	315	37%	49%
Management	395	252	64%	162	41%	64%
Institution	4,921	3,526	72%	1,794	36%	51%
FALL 1986						
Architecture	389	165	42%	91	23%	55%
Engineering	4,239	2,573	61%	1,207	28%	47%
COSALS	935	601	64%	286	31%	48%
Management	552	296	54%	159	29%	54%
Institution	6,115	3,635	59%	1,743	29%	48%
FALL 1987						
Architecture	498	225	45%	94	19%	42%
Engineering	4,244	2,696	64%	1,216	29%	45%
COSALS	1,010	624	62%	284	28%	46%
Management	609	322	53%	162	27%	50%
Institution	6,361	3,867	61%	1,756	28%	45%

FRESHMAN ADMISSIONS BY GENDER AND ETHNIC ORIGIN, FALL QUARTER 1987

	NUMBER APPLIED	*NUMBER ACCEPTED*	*% OF APPLIED ACCEPTED*	*NUMBER ENROLLED*	*% OF APPLIED ENROLLED*	*% OF ACCEPTED ENROLLED*
Asian	406	205	50%	88	22%	43%
Black	617	227	37%	88	14%	39%
Hispanic	235	89	38%	32	14%	36%
Indian	11	8	73%	7	64%	88%
White	5,092	3,338	66%	1,541	30%	46%
Male	4,972	2,991	60%	1,376	28%	46%
Female	1,389	876	63%	380	27%	43%

Source: Office of the Registrar

TRANSFER ADMISSIONS

TRANSFER ADMISSIONS, FALL QUARTERS 1983-87

YEAR & COLLEGE	*NUMBER APPLIED*	*NUMBER ACCEPTED*	*% OF APPLIED ACCEPTED*	*NUMBER ENROLLED*	*% OF APPLIED ENROLLED*	*% OF ACCEPTED ENROLLED*
FALL 1983						
Architecture	73	26	36%	19	26%	73%
Engineering	686	357	52%	261	38%	73%
COSALS	137	63	46%	51	37%	81%
Management	75	41	55%	33	44%	80%
Institution	971	487	50%	364	37%	75%
FALL 1984						
Architecture	72	30	42%	22	31%	73%
Engineering	645	366	57%	258	40%	70%
COSALS	166	91	55%	65	39%	71%
Management	80	45	56%	35	44%	78%
Institution	963	532	55%	380	39%	71%
FALL 1985						
Architecture	70	25	36%	16	23%	64%
Engineering	612	313	51%	243	40%	78%
COSALS	160	79	49%	57	36%	72%
Management	98	54	55%	46	47%	85%
Institution	940	471	50%	362	39%	77%
FALL 1986						
Architecture	93	37	40%	29	31%	78%
Engineering	610	298	49%	216	35%	72%
COSALS	210	102	49%	80	38%	78%
Management	115	56	49%	41	36%	73%
Institution	1,028	493	48%	366	36%	74%
FALL 1987						
Architecture	87	19	22%	14	16%	74%
Engineering	558	300	54%	229	41%	76%
COSALS	154	63	41%	47	31%	75%
Management	105	51	49%	40	38%	78%
Institution	904	433	48%	330	37%	76%

TRANSFER ADMISSIONS BY GENDER AND ETHNIC ORIGIN, FALL QUARTER 1987

	NUMBER APPLIED	*NUMBER ACCEPTED*	*% OF APPLIED ACCEPTED*	*NUMBER ENROLLED*	*% OF APPLIED ENROLLED*	*% OF ACCEPTED ENROLLED*
Asian	89	40	45%	29	33%	73%
Black	130	54	42%	43	33%	80%
Hispanic	36	14	39%	6	17%	43%
Indian	2	2	100%	2	100%	100%
White	647	323	50%	250	39%	77%
Male	686	322	47%	243	35%	75%
Female	218	111	51%	87	40%	78%

Source: Office of the Registrar

GRADUATE ADMISSIONS

GRADUATE ADMISSIONS, FALL QUARTERS 1983-87

YEAR & COLLEGE	*NUMBER APPLIED*	*NUMBER ACCEPTED*	*% OF APPLIED ACCEPTED*	*NUMBER ENROLLED*	*% OF APPLIED ENROLLED*	*% OF ACCEPTED ENROLLED*
FALL 1983						
Architecture	212	126	54%	86	41%	68%
Engineering	1,142	695	61%	335	29%	48%
COSALS	524	259	49%	131	25%	51%
Management	224	152	68%	65	29%	43%
Institution	2,102	1,232	59%	617	29%	55%
FALL 1984						
Architecture	216	121	52%	82	38%	68%
Engineering	1,328	823	62%	425	32%	52%
COSALS	611	292	47%	139	23%	48%
Management	191	138	72%	65	34%	47%
Institution	2,346	1,374	59%	711	30%	52%
FALL 1985						
Architecture	215	106	49%	74	34%	70%
Engineering	1,452	825	57%	426	29%	52%
COSALS	571	270	47%	126	22%	47%
Management	185	119	64%	71	38%	60%
Institution	2,423	1,320	54%	697	29%	53%
FALL 1986						
Architecture	268	161	60%	88	33%	55%
Engineering	1,666	899	54%	501	30%	56%
COSALS	790	382	48%	181	23%	47%
Management	234	144	62%	89	38%	62%
Institution	2,958	1,586	54%	859	29%	54%
FALL 1987						
Architecture	269	126	47%	81	30%	64%
Engineering	1,803	936	52%	502	28%	54%
COSALS	774	319	41%	170	22%	53%
Management	221	116	52%	78	35%	67%
Institution	3,067	1,497	49%	831	27%	56%

GRADUATE ADMISSIONS BY GENDER AND ETHNIC ORIGIN, FALL QUARTER 1987

	NUMBER APPLIED	*NUMBER ACCEPTED*	*% OF APPLIED ACCEPTED*	*NUMBER ENROLLED*	*% OF APPLIED ENROLLED*	*% OF ACCEPTED ENROLLED*
Asian	1,200	308	26%	143	12%	46%
Black	194	80	41%	54	28%	68%
Hispanic	171	75	44%	45	26%	60%
Indian	8	3	38%	2	25%	67%
White	1,494	1,031	69%	587	39%	57%
Male	2,553	1,206	47%	667	26%	55%
Female	514	291	57%	164	32%	56%

Source: Office of the Registrar

SUMMARY OF MAJOR PROGRAMS OF STUDENT FINANCIAL ASSISTANCE

	1985-86		1986-87	
	NUMBER OF AWARDS	AMOUNT OF AWARDS	NUMBER OF AWARDS	AMOUNT OF AWARDS
GEORGIA TECH AWARDS				
National Direct Student Loans	1,061	$680,126	1,063	$884,389
Supplementary Ed. Oppor. Grants	545	229,974	585	233,848
College Work-Study Program	153	211,557	142	215,000
Pell Grants	987	1,245,265	882	1,146,995
Subtotal Federal Funds	**2,746**	**$2,366,922**	**2,672**	**$2,480,232**
Georgia Tech National Merit	295	$233,999	309	$253,094
Georgia Tech National Achievement	35	36,884	29	33,502
Subtotal Merit/Achievement	**330**	**$270,883**	**338**	**$286,596**
Institutional Scholarships	1,397	$1,638,028	1,558	$1,904,732
Georgia Tech Long Term Loans	2	1,500	1	1,000
Short Term Loans	1,374	1,035,852	1,269	1,139,171
Emergency Loans	50	8,987	51	9,755
Subtotal Georgia Tech	**2,823**	**$2,684,367**	**2,879**	**$3,054,658**
SUBTOTAL GEORGIA TECH AID	**5,899**	**$5,322,172**	**5,889**	**$5,821,486**
OUTSIDE AWARDS				
Georgia Incentive Scholarships	689	$239,850	731	$268,725
Georgia Governor's Scholarships	83	93,250	176	214,000
Miscellaneous Scholarships	717	785,194	888	1,044,964
Miscellaneous Grants	28	25,771	39	49,991
Guaranteed Loans--Georgia	1,074	2,491,796	981	2,055,097
Guaranteed Loans--Other States	1,125	2,687,110	1,041	2,424,769
Miscellaneous Loans	36	65,652	46	87,312
Plus Loans--Georgia	--	--	47	139,733
Plus Loans--Other States	--	--	45	129,418
SUBTOTAL OUTSIDE AID	**3,752**	**$6,388,623**	**3,994**	**$6,414,009**
TOTAL	**9,651**	**$11,710,795**	**9,883**	**$12,235,495**

Source: Office of the Director, Financial Aid

ROTC SCHOLARSHIPS: 1987-88 Academic Year

ROTC Scholarships pay tuition, academic fees, books, and a $100 monthly subsistence payment. Currently, the scholarship is worth $4,050 per year to Georgia residents and $7,750 to non-residents.

Average Number of Students on Scholarship
445

Total Amount of Scholarships
$2,800,000

Source: Office of the Commanding Officer, Navy ROTC

FINANCIAL ASSISTANCE

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 1986-87 academic year, the funds available to our students grew by more than $524,700 and represent the largest year of activity in the history of the Financial Aid Office. During the 1986-87 year, over $12.2 million was distributed to Georgia Tech students.

NATIONAL MERIT AND NATIONAL ACHIEVEMENT SCHOLARSHIPS

For the 1986-87 academic year, Georgia Tech enrolled 399 Merit Scholars* and 65 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 1986-87 school year, Georgia Tech ranked seventh in the nation in National Merit freshman enrollment and third 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.

* See pages 24 and 25 for additional statistics regarding these programs.

Source: Office of the Director, Financial Aid

PRESIDENT'S SCHOLARSHIP PROGRAM

In 1981, the Georgia Institute of Technology awarded President's Scholarships** for the first time, honoring exceptional young people with high intellectual talents, outstanding leadership ability, and a desire to meet the challenge of the future. President's Scholars are expected to represent the ideal of excellence at Georgia Tech. For the 1987-88 academic year, 253 students are enrolled in the program.

Scholarship winners are selected on the basis of SAT scores (1350 or above for Georgia residents, 1400 or above for nonresidents), high school record, activities and accomplishments, a personal essay, and written statements of qualifications by high school mathematics and science teachers and personal interviews. Georgia residents are selected first by a District Committee of distinguished Georgia Tech alumni and then by the President's Scholarship Committee. Finalists and their parents are invited to the campus to meet the Scholarship Committee, other administrators, students, and members of the faculty.

Prior to enrolling at Georgia Tech, the President's Scholars have established excellent academic and civic records through participation in a variety of extracurricular and honors programs. Many of the Scholars have been recognized in the Governor's Honors Program, National Honor Society, National Merit or Achievement Scholars, and STAR Student Program. Typical of their activities and awards are the Academic Bowl Team, Georgia Tech Distinguished Mathematics and Science Scholar, Debate Team, Computer Club, Chess Club, student newspaper editor, Harvard Model United Nations, Eagle Scouts, National Problem-solving Bowl, Student Council, and Georgia Society of Professional Engineers. These scholars have made an impact on the Tech campus. For example, the 1986-87 president and vice president of the undergraduate student body are President's Scholars.

Awards made under the President's Scholarship Program may be renewed annually for a maximum of four years or until the first undergraduate degree is obtained. Renewal of the scholarship requires that the scholar maintain a strong academic record. In addition to the monetary awards, the program offers many other perquisites.

The President's Scholarship Program is funded by contributions from industry, Georgia Tech alumni and other friends, as well as endowments created by the M & H Ferst Foundation (the Robert H. Ferst Scholarships) and Southern Railway (the D. William Brosnan Scholarships).

** See page 26 for additional statistics regarding this program.

Source: Office of the Associate Vice President for Academic Affairs

FRESHMAN NATIONAL ACHIEVEMENT SCHOLARS

FRESHMAN NATIONAL ACHIEVEMENT SCHOLARS, 1982-87

Numerical Rank 1986-87	*Institute*	*Type*	*1982-1983*	*1983-1984*	*1984-1985*	*1985-1986*	*1986-1987*
1	Harvard/Radcliffe Colleges	Private	47	40	57	57	54
2	Stanford University	Private	37	30	28	30	31
3	**GEORGIA TECH**	**Public**	**24**	**28**	**24**	**21**	**27**
4	Yale University	Private	23	17	24	26	26
5	Howard University	Private	5	10	14	13	23
6	Princeton University	Private	26	26	27	24	20
7	Duke University	Private	16	13	9	12	18
8	University of Texas	Public	15	26	47	37	17
9	Brown University	Private	14	16	13	20	16
9	M.I.T.	Private	17	29	23	17	16
9	University of Michigan	Public	16	14	16	18	16

1986-87 NATIONAL ACHIEVEMENT SCHOLARS AS A PERCENTAGE OF FRESHMAN CLASS, PUBLIC SCHOOLS

Institute	*Freshman Enrollment*	*Achievement Scholars*	*Percentage of Freshman Class*
GEORGIA TECH	**1,743**	**27**	**1.55%**
University of Texas	5,923	17	0.28%

Source: Office of the Director, Financial Aid

FRESHMAN NATIONAL MERIT SCHOLARS

FRESHMAN NATIONAL MERIT SCHOLARS, 1982-87

Numerical Rank 1986-87	*Institute*	*Type*	*1982-1983*	*1983-1984*	*1984-1985*	*1985-1986*	*1986-1987*
1	Harvard/Radcliffe Colleges	Private	295	297	323	318	297
2	University of Texas	Public	130	223	273	271	270
3	Yale University	Private	171	156	187	167	183
4	Rice University	Private	172	155	169	179	176
5	Stanford University	Private	107	139	142	153	172
6	Princeton University	Private	190	197	168	163	140
7	**GEORGIA TECH**	**Public**	**116**	**94**	**94**	**108**	**130**
8	Northwestern University	Private	142	126	86	120	117
9	University of Chicago	Private	84	105	112	94	115
10	Texas A & M University	Public	190	172	162	167	112
11	M.I.T.	Private	152	117	133	143	108
12	Carleton College	Private	98	85	100	111	104
13	Michigan State University	Public	98	118	128	117	102

1986-87 NATIONAL MERIT SCHOLARS AS A PERCENTAGE OF FRESHMAN CLASS, PUBLIC SCHOOLS

Institute	*Freshman Enrollment*	*Merit Scholars*	*Percentage of Freshman Class*
GEORGIA TECH	**1,743**	**130**	**7.5%**
University of Texas	5,923	270	4.6%
Texas A & M University	5,995	112	1.9%
Michigan State University	6,656	102	1.5%

Source: Office of the Director, Financial Aid

PRESIDENT'S SCHOLARSHIP PROGRAM

SIX YEAR SUMMARY OF ENTERING FRESHMEN

	Mean HSA	Mean SAT	Georgia Male	Georgia Female	Out-of-State Male	Out-of-State Female	Total
1987-88[a]	3.9	1434	35	11	19	3	68
1986-87[b]	3.9	1428	36	8	23	2	69
1985-86[c]	3.9	1437	32	8	20	3	63
1984-85[d]	3.9	1432	25	10	7	2	44
1983-84[e]	3.9	1418	15	7	5	0	27
1982-83[f]	3.9	1425	8	3	2	1	14
Program Total/Average (1981-1987)	**3.9**	**1432**	**156**	**48**	**76**	**11**	**291**

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

PRESIDENT'S SCHOLARS' INTERESTS AT ENTRY

	84-85	85-86	86-87	87-88
COSALS				
Biology	1	3	2	1
Chemistry	1	3	--	1
Inf. & Computer Sci.	3	5	7	5
Mathematics	2	1	1	4
Physics	2	5	7	3
Undecided	2	2	1	4
Total	**11**	**19**	**19**	**18**
MANAGEMENT	--	**2**	**2**	--
ARCHITECTURE	**1**	--	**1**	**2**

	84-85	85-86	86-87	87-88
ENGINEERING				
Aerospace	2	2	9	10
Ceramics	--	--	1	1
Chemical	4	7	6	8
Civil	2	--	1	--
Electrical	16	20	16	14
Eng. Sci. & Mechanics	1	2	--	1
Health Physics	--	1	--	--
Industrial	--	--	2	--
Mechanical	2	1	5	6
Nuclear	--	1	1	--
Textiles	--	--	1	--
Undecided	5	8	6	8
Total	**32**	**42**	**48**	**42**

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, CHE, TE, Phys, BC, ICS	7	2	1	1	7	1	3	11
1986-87	Mgt,IM,EE, CHE, IE, AE, ME, ICS, Psy, Phys	12	4	5	0	13	0	2	21

Source: President's Scholarship Committee

GRADUATE FINANCIAL ASSISTANCE

The Graduate Office administers several programs of financial assistance, which include: President's Fellowships, President's Minority Fellowships, Regents' Opportunity Scholarships, Patricia Roberts Harris Fellowships (formerly G*POP, Graduate and Professional Opportunities Program), National Consortium for Educational Access Fellowships, General Electric Foundation Ph.D. Forgivable Loan Program, Domenica Rea D'Onofrio Graduate Fellowship, and tuition waivers.

PRESIDENT'S MINORITY FELLOWSHIPS

President's Minority Fellowships were established in 1986 through support of the Georgia Tech Foundation. Fellowship grants are awarded to minority students who intend to pursue the doctorate. A total of four awards have been made to black students who initiated graduate studies in the 1987-88 academic year.

REGENTS' OPPORTUNITY SCHOLARSHIPS

Georgia Tech has participated in the Regents' Opportunity Scholarship Program since 1987. Since then, thirty-nine black students have been supported on Regents' Opportunity Scholarships. As of Spring Quarter 1987, one of these students has completed the Ph.D. degree, and thirteen have received master's degrees. Seven additional students are enrolled currently.

PATRICIA ROBERTS HARRIS FELLOWSHIP PROGRAM

Georgia Tech has participated in this program (formerly G*POP) since 1978 with the exception of one year (1984-85), and served as the Regional Resource Center from 1978 through 1982. This program, which is funded by the Department of Education, provides fellowships for minorities and women for graduate study in fields in which they are underrepresented.

As of Spring Quarter 1987, forty-one black graduate students have been supported with G*POP or P.R. Harris fellowships. Of these, seventeen were Georgia residents. Twenty-two of these students received M.S. degrees, and one received the Ph.D. degree. Of these fellows receiving degrees, six were Georgia residents. Eight students are being supported with Harris fellowships in 1987-88.

NATIONAL CONSORTIUM FOR EDUCATIONAL ACCESS FELLOWSHIPS

Georgia Tech is an active member of the National Consortium for Educational Access (NCEA), which was established in 1985 and is a partnership agreement between historically black colleges and majority institutions of higher education. Fellowships of $3,000 per academic year are awarded to black doctoral students to supplement the school's normal awards. Two NCEA fellowships have been awarded to Georgia Tech students for 1987-88.

PRESIDENT'S FELLOWSHIP PROGRAM

President's Fellowships were established by President Joseph M. Pettit in 1973 to enhance the scope and quality of Georgia Tech's Ph.D. programs. Through support of the Georgia Tech Foundation, President's Fellowships are offered annually to a select number of highly qualified U.S. nationals who intend to pursue advanced degrees at 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 for outstanding careers in the disciplines of their choice. President's Fellowships provide stipends, which supplement other support, plus a waiver of all tuition and fees. Offers may be made throughout the year for students starting any quarter.

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, 189 awards have been made. Fifty-two of the fellowship recipients have earned Ph.D. degrees; twenty-two of these have earned master's degrees also. Seventy-nine fellows earned only the master's degree. Thirty-three were enrolled as of Spring Quarter 1987.

PRESIDENT'S FELLOWSHIP SURVEY, 1973-1987

Academic Year	*# New Fellows*	*# Awarded Term. M.S.*	*# Awarded Ph.D.*	*# Ph.D.'s Completed in Award Year*
1973-77	58	22	26	1
1977-78	16	11	5	3
1978-79	11	6	3	6
1979-80	23	11	7	7
1980-81	15	9	4	5
1981-82	12	6	5	6
1982-83	14	6	1	4
1983-84	8	4	1	6
1984-85	11	4	0	5
1985-86	12	0	0	6
1986-87	9	0	0	3
1987-88	62	0	0	0

GENERAL ELECTRIC FOUNDATION PH.D. FORGIVABLE LOAN PROGRAM

Doctoral candidates in engineering and computer science who are U.S. citizens and plan to pursue an academic career may receive up to $5,000 per year from this program. Recipients earn loan forgiveness by teaching in a U.S. college or university.

DOMENICA REA D'ONOFRIO GRADUATE FELLOWSHIPS

Approximately $8,000 per year may be awarded in this fellowship program to natives of Italy.

TUITION WAIVERS

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

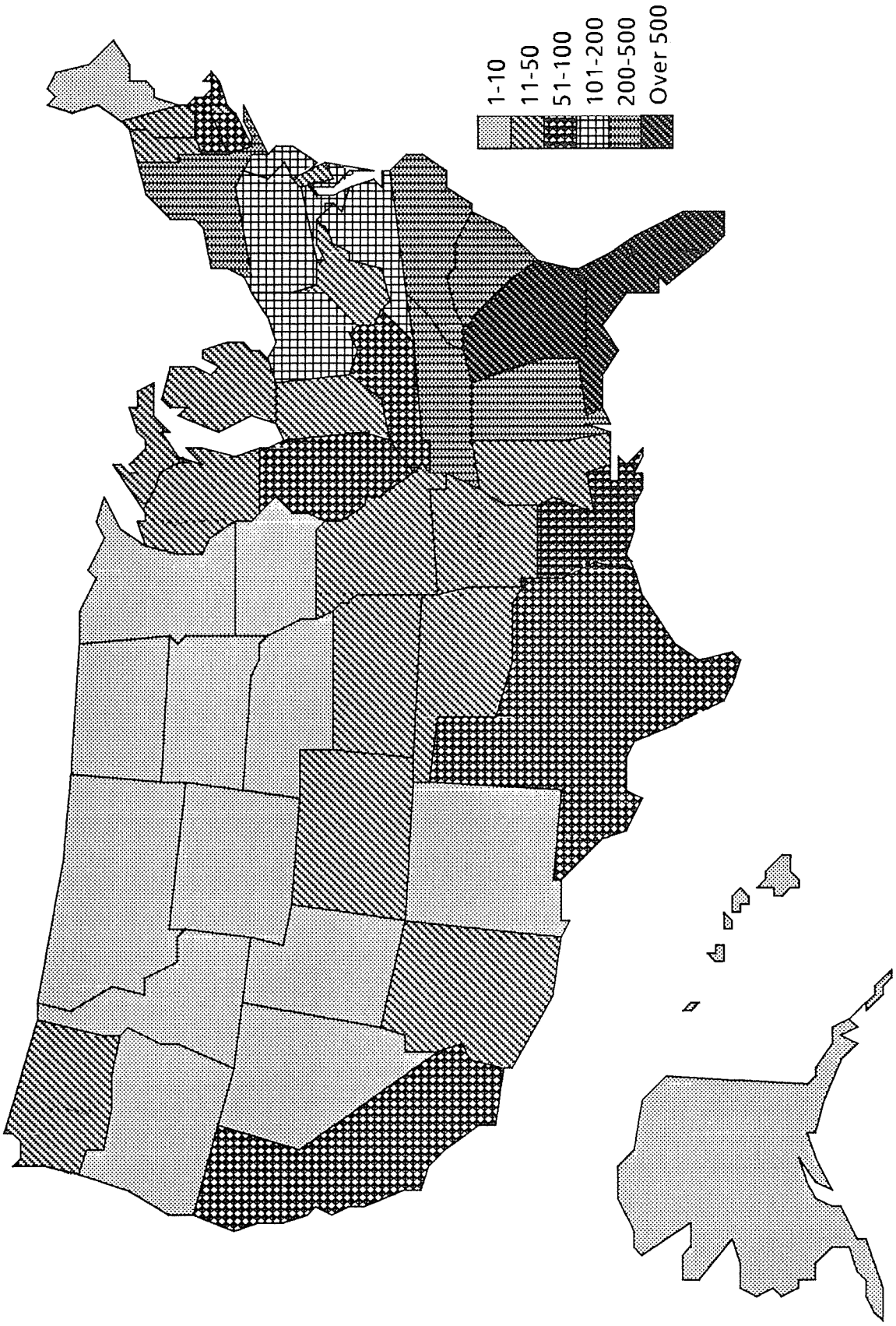
Source: Office of the Associate Vice President for Graduate Studies and Research

ENROLLMENT BY FOREIGN COUNTRIES
FALL QUARTER 1987

	Under-graduate	Grad-uate	Total
Algeria	0	9	9
Australia	3	0	3
Austria	0	2	2
Bahamas	2	1	3
Bahrain	1	0	1
Bangladesh	0	4	4
Barbados	1	0	1
Belgium	1	1	2
Bolivia	1	1	2
Brazil	4	6	10
British Indian Ocean	1	0	1
Burma	0	1	1
Cameroon	1	2	3
Canada	3	7	10
Chile	1	0	1
China (People's Republic)	1	71	72
Colombia	10	12	22
Costa Rica	2	3	5
Cyprus	1	6	7
Denmark	1	0	1
Dominican Republic	1	2	3
Ecuador	3	7	10
Egypt (United Arab Republic)	0	10	10
England	4	5	9
El Salvador	1	4	5
Ethiopia	1	0	1
Finland	2	0	2
France	1	27	28
Gambia	1	0	1
Germany (West)	7	39	46
Ghana	0	8	8
Greece	1	19	20
Honduras	4	2	6
Hong Kong	5	13	18
Iceland	0	1	1
India	7	62	69
Indonesia	2	6	8
Iran	4	12	16
Iraq	1	2	3
Israel	1	5	6
Italy	6	2	8
Jamaica	2	2	4
Japan	4	6	10
Jordan	2	3	5
Kampuchea	0	1	1
Korea	14	128	142
Kuwait	1	3	4
Lebanon	15	24	39
Libya	0	1	1
Malaysia	1	11	12
Mauritius	0	1	1
Mexico	1	6	7
Netherlands	0	3	3
Netherlands W. Indies	1	1	2
Nicaragua	2	0	2
Nigeria	3	10	13
Norway	3	0	3
Pakistan	5	10	15
Panama	14	0	14
Paraguay	1	0	1
Peru	7	3	10
Philippines	3	1	4
Poland	0	2	2
Portugal	0	1	1
Romania	0	1	1
Saudi Arabia	1	6	7
Sierra Leone	1	0	1
Singapore	3	2	5
South Africa	0	2	2
Soviet Union (USSR)	1	0	1
Spain	1	2	3
Sri Lanka	2	2	4
Sweden	2	2	4
Switzerland	0	4	4
Syria	1	2	3
Taiwan (Rep. of China)	13	97	110
Tanzania	0	1	1
Thailand	1	3	4
Trinidad	3	0	3
Tunisia	12	7	19
Turkey	0	16	16
United Arab Emirates	2	0	2
United Kingdom	2	0	2
Venezuela	2	6	8
Vietnam	1	0	1
Zimbabwe	0	1	1
TOTAL	**213**	**723**	**936**

Source: Office of the Registrar

ENROLLMENT BY STATES
FALL QUARTER 1987

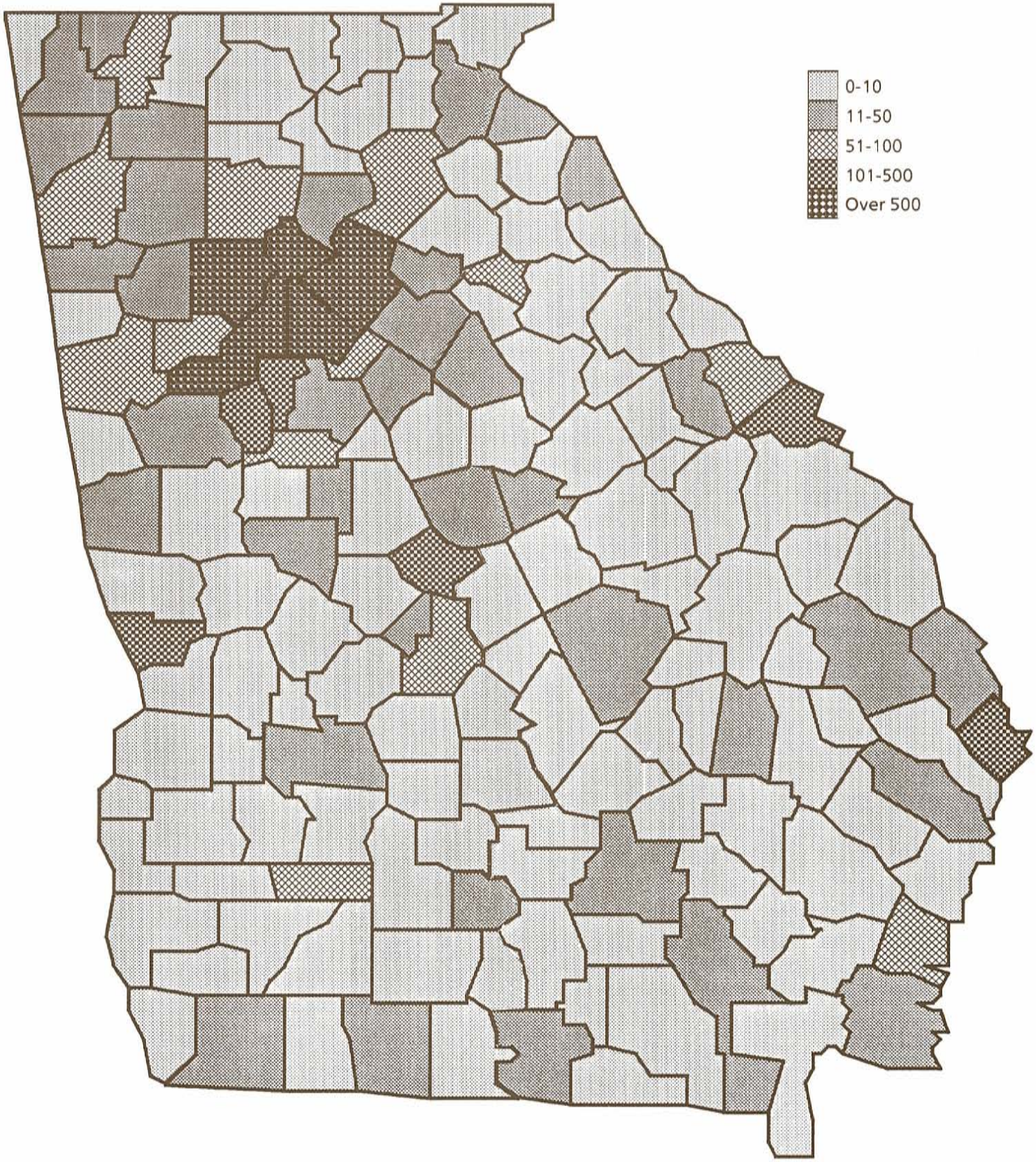


ENROLLMENT BY STATES
FALL QUARTER 1987

	Total	Undergraduate			Graduate		
		Male	Female	Minority	Male	Female	Minority
Alabama	268	165	42	34	55	6	5
Alaska	6	5	0	0	1	0	0
Arizona	11	5	0	1	6	0	1
Arkansas	26	15	0	2	9	2	1
California	69	21	5	13	36	7	6
Colorado	21	7	3	2	9	2	2
Connecticut	56	39	4	0	12	1	1
Delaware	18	12	3	2	3	0	0
District of Columbia	11	3	3	2	1	4	3
Florida	887	599	128	108	125	35	27
Georgia	6,839	4,389	1,553	730	677	220	98
Hawaii	5	3	1	1	1	0	0
Idaho	1	0	0	0	1	0	0
Illinois	63	18	12	7	29	4	5
Indiana	40	13	5	1	17	5	5
Iowa	7	1	2	1	2	2	0
Kansas	11	6	0	1	4	1	1
Kentucky	84	53	11	3	17	3	1
Louisiana	69	36	11	10	18	4	4
Maine	8	4	2	0	1	1	0
Maryland	177	110	34	24	27	6	10
Massachusetts	59	34	6	3	16	3	1
Michigan	40	20	9	5	8	3	2
Minnesota	9	4	1	0	2	2	0
Mississippi	44	28	4	5	9	3	1
Missouri	38	16	8	6	13	1	1
Montana	3	1	0	0	2	0	0
Nebraska	2	2	0	0	0	0	0
Nevada	4	0	2	0	2	0	1
New Hampshire	15	3	3	1	7	2	0
New Jersey	158	109	21	15	19	9	6
New Mexico	6	0	1	0	4	1	2
New York	230	141	30	25	43	16	6
North Carolina	242	147	28	20	54	13	4
North Dakota	1	1	0	0	0	0	0
Ohio	116	68	15	12	32	1	4
Oklahoma	15	6	2	0	5	2	1
Oregon	3	2	0	1	1	0	0
Pennsylvania	155	81	17	13	41	16	2
Rhode Island	16	13	0	0	2	1	1
South Carolina	313	217	40	38	50	6	6
South Dakota	4	1	0	0	3	0	0
Tennessee	285	189	30	26	56	10	9
Texas	61	23	6	1	28	4	4
Utah	9	3	0	0	6	0	0
Vermont	15	10	2	1	1	2	0
Virginia	176	108	21	13	39	8	4
Washington	12	7	0	0	4	1	0
West Virginia	25	14	3	2	7	1	0
Wisconsin	15	8	0	1	6	1	0
Wyoming	3	3	0	0	0	0	0
Other U.S. Territories & Possessions							
Guam	2	2	0	0	0	0	0
Puerto Rico	72	47	4	47	16	5	20
Virgin Islands	10	7	1	6	1	1	2
TOTAL	**10,835**	**6,819**	**2,073**	**1,183**	**1,528**	**415**	**247**

Source: Office of the Registrar

ENROLLMENT BY GEORGIA COUNTIES
FALL QUARTER 1987



ENROLLMENT BY GEORGIA COUNTIES
FALL QUARTER 1987

	Under-graduate	Grad-uate	Total
Appling	4	1	5
Atkinson	0	0	0
Bacon	1	0	1
Baker	1	0	1
Baldwin	24	3	27
Banks	2	0	2
Barrow	12	0	12
Bartow	36	0	36
Ben Hill	7	0	7
Berrien	5	2	7
Bibb	138	13	151
Bleckley	6	1	7
Brantley	0	0	0
Brooks	1	0	1
Bryan	4	0	4
Bulloch	24	2	26
Burke	5	0	5
Butts	7	0	7
Calhoun	3	0	3
Camden	12	1	13
Candler	5	0	5
Carroll	50	7	57
Catoosa	19	0	19
Charlton	3	0	3
Chatham	116	19	135
Chattahoochee	1	0	1
Chattooga	12	0	12
Cherokee	49	9	58
Clarke	50	7	57
Clay	1	0	1
Clayton	223	11	234
Clinch	0	0	0
Cobb	733	157	890
Coffee	13	0	13
Colquitt	9	1	10
Columbia	81	2	83
Cook	4	0	4
Coweta	35	2	37
Crawford	4	1	5
Crisp	6	0	6
Dade	2	0	2
Dawson	2	0	2
Decatur	15	4	19
DeKalb	1,234	225	1,459
Dodge	5	0	5
Dooly	2	0	2
Dougherty	55	6	61
Douglas	53	7	60
Early	8	0	8
Echols	1	0	1
Effingham	14	0	14
Elbert	9	0	9
Emanuel	5	0	5
Evans	3	0	3
Fannin	10	0	10
Fayette	99	5	104
Floyd	73	7	80
Forsyth	18	1	19
Franklin	6	0	6
Fulton	807	241	1,048
Gilmer	3	1	4
Glascock	0	0	0
Glynn	51	0	51
Gordon	27	0	27
Grady	7	1	8
Greene	4	0	4
Gwinnett	498	61	559
Habersham	21	0	21
Hall	61	3	64
Hancock	0	0	0
Haralson	9	0	9
Harris	8	0	8
Hart	15	2	17
Heard	1	0	1
Henry	42	3	45
Houston	66	10	76
Irwin	7	0	7
Jackson	9	0	9
Jasper	3	0	3
Jeff Davis	6	0	6
Jefferson	7	0	7
Jenkins	3	0	3
Johnson	1	0	1
Jones	19	0	19
Lamar	10	2	12
Lanier	0	0	0
Laurens	17	2	19
Lee	7	1	8
Liberty	13	1	14
Lincoln	4	0	4
Long	1	0	1
Lowndes	37	10	47
Lumpkin	5	0	5
Macon	4	0	4
Madison	5	0	5
Marion	0	0	0
McDuffie	19	0	19
McIntosh	3	0	3
Meriwether	8	1	9
Miller	2	0	2
Mitchell	8	0	8
Monroe	6	0	6
Montgomery	1	0	1
Morgan	14	0	14
Murray	8	1	9
Muscogee	126	7	133
Newton	23	1	24
Oconee	5	3	8
Oglethorpe	0	0	0
Paulding	12	2	14
Peach	13	0	13
Pickens	6	0	6
Pierce	3	0	3
Pike	4	0	4
Polk	13	1	14
Pulaski	4	0	4
Putnam	10	0	10
Quitman	1	0	1
Rabun	7	2	9
Randolph	4	0	4
Richmond	121	19	140
Rockdale	65	7	72
Schley	3	0	3
Screven	3	0	3
Seminole	1	0	1
Spalding	47	6	53
Stephens	19	3	22
Stewart	0	0	0
Sumter	15	0	15
Talbot	2	0	2
Taliaferro	0	0	0
Tattnall	8	1	9
Taylor	2	0	2
Telfair	0	1	1
Terrell	1	0	1
Thomas	20	0	20
Tift	17	1	18
Toombs	12	0	12
Towns	0	0	0
Treutlen	0	0	0
Troup	24	1	25
Turner	3	0	3
Twiggs	2	0	2
Union	5	0	5
Upson	13	0	13
Walker	17	1	18
Walton	21	0	21
Ware	13	2	15
Warren	2	1	3
Washington	0	0	0
Wayne	7	0	7
Webster	0	0	0
Wheeler	2	0	2
White	6	1	7
Whitfield	70	2	72
Wilcox	2	0	2
Wilkes	5	0	5
Wilkinson	10	0	10
Worth	4	0	4
TOTAL	**5,940**	**896**	**6,836**

Source: Office of the Registrar

FALL QUARTER ENROLLMENT PROFILE BY CLASS

ENROLLMENT BY CLASS, FALL 1987

	Asian		Black, Non-Hispanic		Hispanic		American Indian		White		Foreign	
	M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*M*	*F*
Undergraduate												
JEPHS	1	0	0	0	0	0	0	0	25	3	--	--
Freshman	107	20	104	43	43	13	5	3	1,727	472	38	3
Sophomore	96	32	100	46	56	3	3	2	1,439	428	57	3
Junior	65	19	103	65	33	13	1	0	1,249	385	47	7
Senior	84	31	85	50	44	7	3	1	1,609	444	45	8
Special Undergraduate	4	3	1	2	0	0	0	0	23	10	4	1
Graduate												
Masters	184	34	55	31	72	22	2	0	1,065	260	275	38
Ph.D.	248	25	20	8	29	4	1	1	457	92	351	34
Special Graduate	3	3	3	2	1	1	0	0	33	10	19	6
Institute Totals	**792**	**167**	**471**	**247**	**278**	**63**	**15**	**7**	**7,627**	**2,104**	**836**	**100**

ENROLLMENT BY CLASS, FALL QUARTERS 1983-87

	1983		*1984*		*1985*		*1986*		*1987*	
	M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*M*	*F*
Undergraduate										
JEPHS	20	14	16	4	14	3	16	3	26	3
Freshman	1,661	490	1,881	547	2,026	562	2,006	558	1,986	551
Sophomore	1,601	469	1,401	426	1,409	438	1,613	523	1,694	511
Junior	1,679	434	1,567	465	1,485	420	1,375	444	1,451	482
Senior	1,903	470	1,924	455	1,895	509	1,850	511	1,825	533
Special Undergraduate	30	12	25	19	37	8	29	12	28	15
Graduate										
Masters	1,273	301	1,294	310	1,302	319	1,427	332	1,378	347
Ph.D.	411	70	450	75	483	85	610	111	755	130
Special Graduate	72	16	76	23	61	22	54	20	40	16
Institute Totals	**8,650**	**2,276**	**8,634**	**2,324**	**8,712**	**2,366**	**8,980**	**2,514**	**9,183**	**2,588**

Source: Office of the Registrar

UNDERGRADUATE ENROLLMENT PROFILE BY COLLEGE
FALL QUARTER 1987

College	Asian M	Asian F	Black, Non-Hispanic M	Black, Non-Hispanic F	Hispanic M	Hispanic F	American Indian M	American Indian F	White M	White F	Foreign Residency M	Foreign Residency F
Architecture												
Architecture	10	9	12	4	6	2	0	0	234	96	5	1
Building Construction	0	0	2	0	0	0	0	0	76	9	0	0
Industrial Design	2	2	2	0	1	2	0	0	44	25	0	0
Total	**12**	**11**	**16**	**4**	**7**	**4**	**0**	**0**	**354**	**130**	**5**	**1**
Engineering												
Aerospace	25	1	17	5	10	0	1	0	488	70	10	0
Ceramic	4	0	7	2	2	0	0	0	36	8	2	0
Chemical	19	6	21	24	8	5	0	0	285	96	7	1
Civil	12	2	15	12	13	0	2	0	320	72	18	1
Electrical	136	22	100	44	36	3	4	0	1,148	136	54	3
Engineering Sci. & Mechanics	1	0	2	2	6	0	0	0	62	9	3	0
Industrial and Systems	18	10	37	41	31	3	0	2	489	245	35	1
Mechanical	47	9	43	5	29	2	1	0	868	92	18	2
Nuclear Eng. & Health Physics	10	0	4	2	2	0	1	0	97	19	5	0
Textiles	0	1	1	1	0	0	0	0	8	12	0	0
Textile Chemistry	0	0	0	0	0	0	0	0	9	3	1	0
Textile Engineering	1	1	3	4	1	2	0	0	26	16	2	0
Undeclared Engineering	25	8	18	9	9	3	2	0	303	57	5	1
Total	**298**	**60**	**268**	**151**	**147**	**18**	**11**	**2**	**4,139**	**835**	**160**	**9**
Management												
Economics	2	0	0	0	2	0	0	0	22	11	0	0
Management	6	14	74	32	12	6	0	2	702	387	7	4
Management Science	1	1	2	4	1	0	0	0	36	24	0	0
Undeclared Management	0	0	1	0	0	2	0	0	40	37	0	0
Total	**9**	**15**	**77**	**36**	**15**	**8**	**0**	**2**	**800**	**459**	**7**	**4**
Sciences and Liberal Studies												
Biology	7	2	3	2	1	3	0	1	71	75	5	1
Chemistry	3	2	1	0	3	1	0	0	38	29	0	0
Information & Computer Sci.	13	11	20	8	3	2	0	1	360	94	5	5
Mathematics	3	1	2	1	0	0	0	0	53	40	1	1
Physics	4	0	4	2	0	0	0	0	149	23	4	0
Psychology	0	1	1	0	0	0	0	0	15	16	0	0
Undeclared COSALS	8	2	1	2	0	0	1	0	93	41	4	1
Total	**38**	**19**	**32**	**15**	**7**	**6**	**1**	**2**	**779**	**318**	**19**	**8**
INSTITUTE TOTALS	**357**	**105**	**393**	**206**	**176**	**36**	**12**	**6**	**6,072**	**1,742**	**191**	**22**

Source: Office of the Registrar

GRADUATE ENROLLMENT PROFILE BY COLLEGE
FALL QUARTER 1987

College	Asian M	Asian F	Black, Non-Hispanic M	Black, Non-Hispanic F	Hispanic M	Hispanic F	American Indian M	American Indian F	White M	White F	Foreign Residency M	Foreign Residency F
Architecture												
Architecture	6	1	2	3	9	2	0	1	109	38	18	3
City Planning	8	4	5	4	1	0	0	0	29	14	14	4
Total	**14**	**5**	**7**	**7**	**10**	**2**	**0**	**1**	**138**	**52**	**32**	**7**
Engineering												
Aerospace	39	1	2	0	2	0	0	0	91	5	60	2
Ceramic	3	2	1	0	3	0	0	0	7	1	3	2
Chemical	10	2	2	5	2	0	0	0	49	8	20	3
Civil	33	3	4	0	10	2	0	0	106	13	61	6
Electrical	96	12	24	13	18	4	0	0	362	43	131	10
Environmental	6	1	0	1	2	0	0	0	11	5	6	1
Engineering Sci. & Mechanics	6	1	0	0	0	0	0	0	7	3	8	0
Industrial and Systems	40	4	4	4	13	6	0	0	97	30	60	8
Mechanical	64	1	9	2	4	0	1	0	132	19	75	4
Metallurgy	10	0	0	0	1	0	0	0	17	6	13	1
Nuclear Eng. & Health Physics	11	0	2	0	5	0	0	0	45	11	21	1
Textiles	1	0	0	0	0	0	0	0	3	2	1	0
Textile Chemistry	3	0	0	0	0	0	0	0	5	1	3	0
Textile Engineering	4	0	1	0	0	0	0	0	7	2	5	0
Total	**326**	**27**	**49**	**25**	**66**	**14**	**1**	**0**	**939**	**149**	**467**	**38**
Management												
Management	15	2	7	0	10	4	0	0	109	35	32	2
Management Science	0	0	0	0	0	0	0	0	1	0	0	0
Total	**15**	**2**	**7**	**0**	**10**	**4**	**0**	**0**	**110**	**35**	**32**	**2**
Sciences and Liberal Studies												
Biology	4	3	1	1	0	1	0	0	19	9	4	3
Chemistry	13	10	6	1	2	2	0	0	48	16	18	6
Geophysical Sciences	12	4	1	1	6	0	0	0	36	6	18	4
Information & Computer Sci.	33	7	5	2	6	1	0	0	130	34	42	6
Mathematics	3	0	0	2	0	0	1	0	35	19	6	2
Physics	15	1	1	1	2	2	1	0	54	8	22	2
Psychology	0	2	0	0	0	1	0	0	23	31	0	3
Technology & Sci. Policy	0	1	1	1	0	0	0	0	23	3	2	1
Total	**80**	**28**	**15**	**9**	**16**	**7**	**2**	**0**	**368**	**126**	**114**	**31**
INSTITUTE TOTALS	**435**	**62**	**78**	**41**	**102**	**27**	**3**	**1**	**1,555**	**362**	**645**	**78**

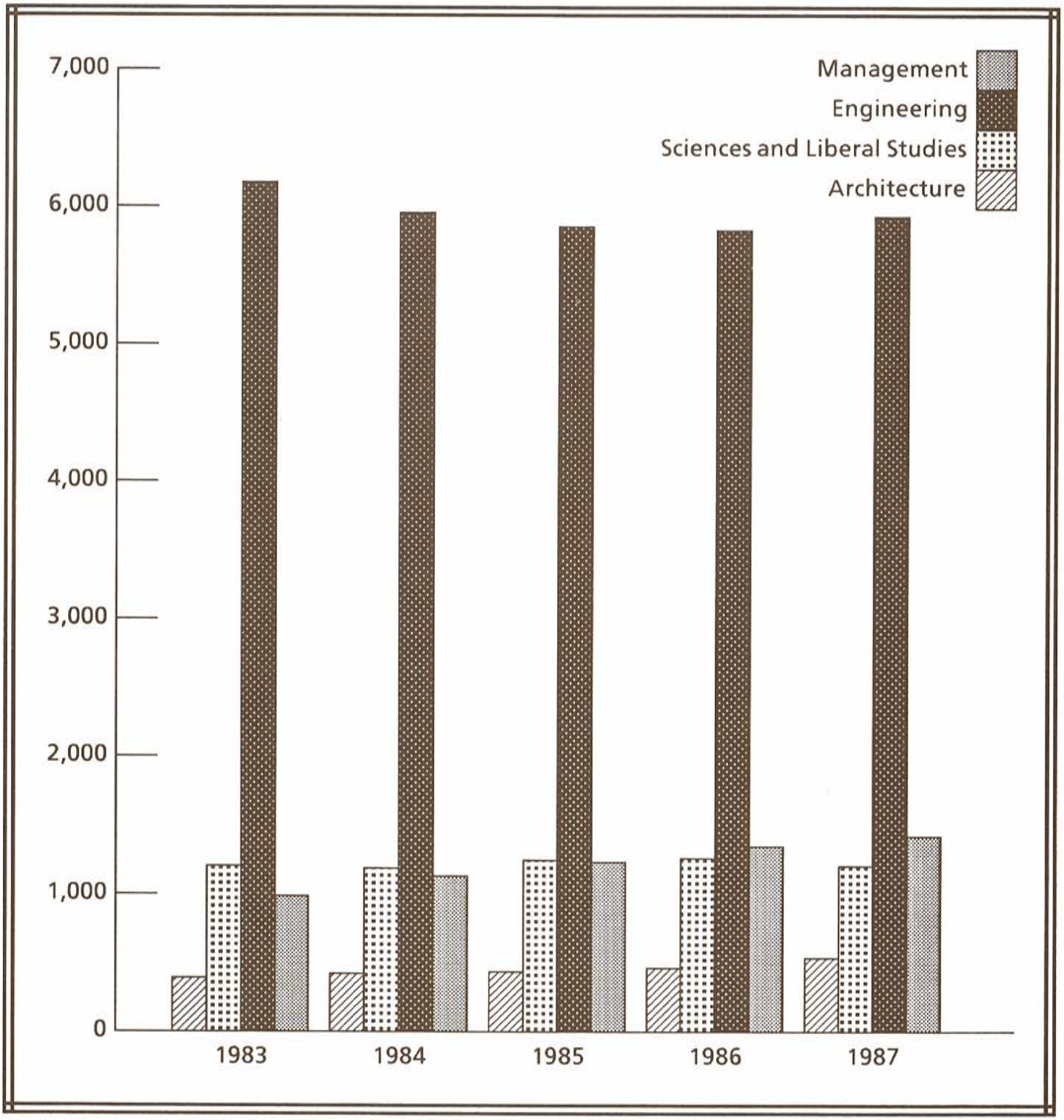
Source: Office of the Registrar

FALL QUARTER UNDERGRADUATE ENROLLMENT BY COLLEGE, 1983-1987

	1983		1984		1985		1986		1987	
	Male	*Female*	*Male*	*Female*	*Male*	*Female*	*Male*	*Female*	*Male*	*Female*
ARCHITECTURE										
Architecture	224	80	228	81	259	86	242	91	262	111
Building Construction	45	4	46	6	55	7	63	6	78	9
Industrial Design	30	18	40	22	41	19	41	34	49	29
TOTAL ARCHITECTURE	**299**	**102**	**314**	**109**	**335**	**112**	**346**	**131**	**389**	**149**
ENGINEERING										
Aerospace	572	67	661	77	628	64	536	66	541	76
Ceramic	29	14	37	11	45	10	38	13	49	10
Chemical	504	205	392	175	354	159	354	150	333	131
Civil	350	75	362	68	370	67	374	76	362	86
Electrical	1,639	235	1,476	216	1,420	210	1,422	214	1,424	205
Engineering Science & Mechanics	68	17	83	17	72	13	81	12	71	11
Industrial and Systems	501	271	488	267	523	303	547	326	575	301
Mechanical	986	110	924	113	905	109	882	108	988	108
Nuclear & Health Physics	112	19	112	22	118	18	122	27	114	21
Textiles	10	10	17	8	14	11	11	15	9	14
Textile Chemistry	7	2	10	7	9	4	11	4	9	3
Textile Engineering	36	24	49	27	49	20	36	21	31	23
Undeclared Engineering	248	64	260	54	297	73	326	66	357	77
TOTAL ENGINEERING	**5,062**	**1,113**	**4,871**	**1,062**	**4,804**	**1,061**	**4,740**	**1,098**	**4,863**	**1,066**
MANAGEMENT										
Economics	12	4	17	7	19	5	17	7	26	11
Management	619	248	671	283	698	299	783	363	794	441
Management Science	44	30	74	52	96	59	63	45	40	29
Undeclared Management	22	9	23	14	31	34	39	36	41	39
TOTAL MANAGEMENT	**700**	**291**	**785**	**356**	**844**	**397**	**902**	**451**	**901**	**520**
SCIENCES & LIBERAL STUDIES (COSALS)										
Applied Biology	48	45	52	56	76	57	83	88	82	83
Chemistry	49	27	52	29	49	30	47	31	45	32
Information & Computer Science	460	191	437	164	446	142	438	125	396	116
Mathematics	57	25	62	38	70	47	62	49	58	42
Physics	121	22	137	16	133	20	163	25	157	25
Psychology	15	24	16	25	20	23	22	23	16	17
Undeclared COSALS	83	49	64	51	89	50	86	35	103	45
TOTAL COSALS	**833**	**383**	**820**	**379**	**883**	**369**	**901**	**376**	**857**	**360**
INSTITUTE SUBTOTAL	**6,894**	**1,889**	**6,814**	**1,916**	**6,866**	**1,940**	**6,889**	**2,051**	**7,010**	**2,095**
INSTITUTE TOTAL	**8,783**		**8,730**		**8,806**		**8,940**		**9,105**	

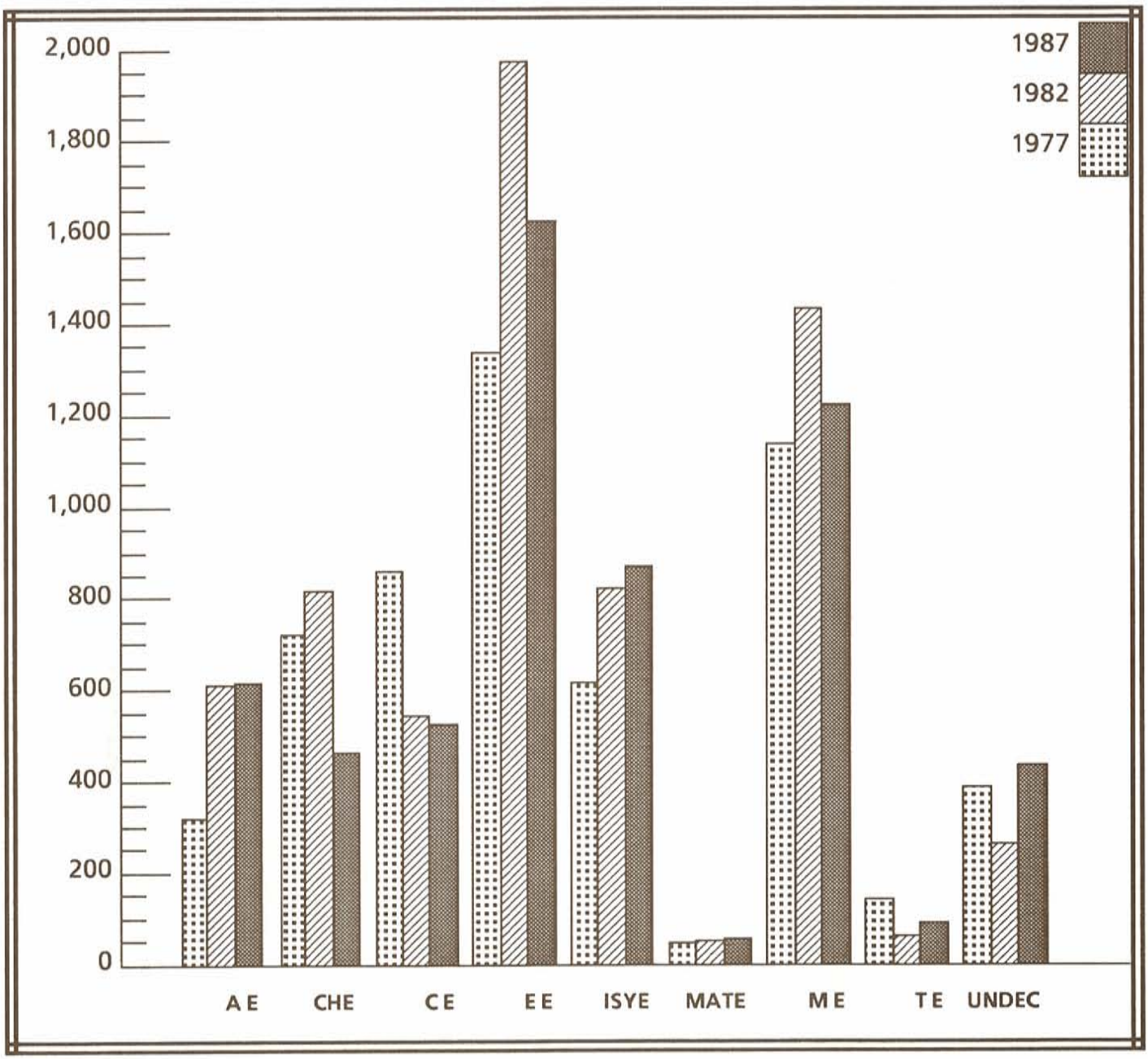
Source: Office of the Registrar

FALL QUARTER UNDERGRADUATE ENROLLMENT BY COLLEGE, 1983-1987



Source: Office of the Registrar

ENGINEERING COLLEGE UNDERGRADUATE ENROLLMENT
FALL QUARTERS 1977,1982,1987

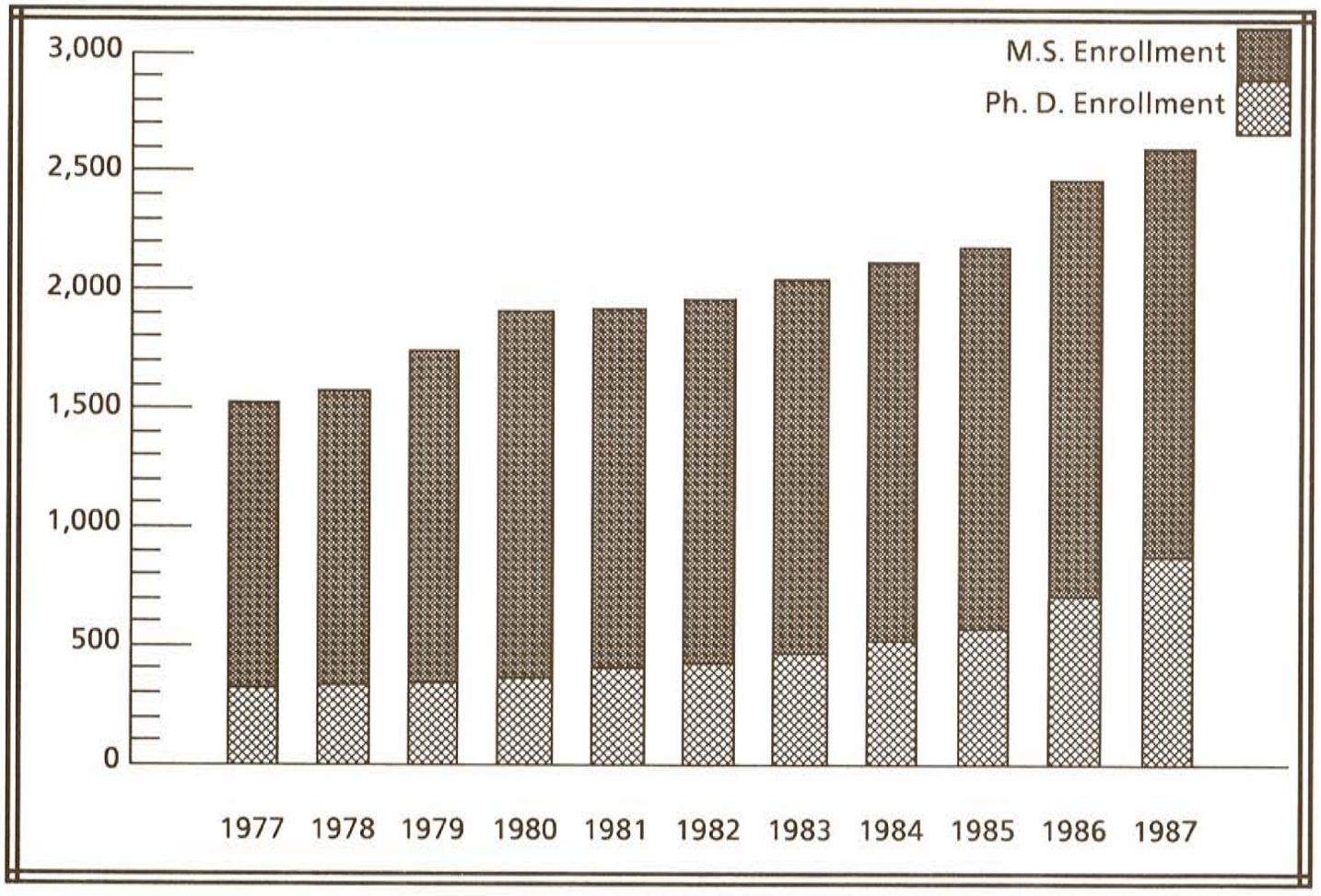


NOTE: CE includes ESM. ISYE includes HS. MATE includes CERE and MET. ME includes N&HP.

Source: Office of the Registrar

FALL QUARTER GRADUATE ENROLLMENT BY DEGREE PROGRAM 1977-1987*

YEAR	Architecture M.S.	Architecture Ph.D.	Engineering M.S.	Engineering Ph.D.	Management M.S.	Management Ph.D.	Sciences & Liberal Studies M.S.	Sciences & Liberal Studies Ph.D.	Total M.S.	Total Ph.D.
1977	160	2	608	164	178	1	255	160	1,201	327
1978	174	0	657	181	135	1	284	155	1,250	337
1979	215	0	765	190	118	1	312	160	1,410	351
1980	220	0	867	205	124	2	335	163	1,546	370
1981	221	1	856	236	111	8	342	162	1,530	407
1982	213	3	867	253	141	9	326	163	1,547	428
1983	232	7	903	261	157	15	291	188	1,583	471
1984	224	9	946	292	118	5	316	219	1,604	525
1985	217	9	979	314	124	7	301	238	1,621	568
1986	217	12	1,071	416	158	9	313	284	1,759	721
1987	217	17	1,034	538	167	11	307	319	1,725	885



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

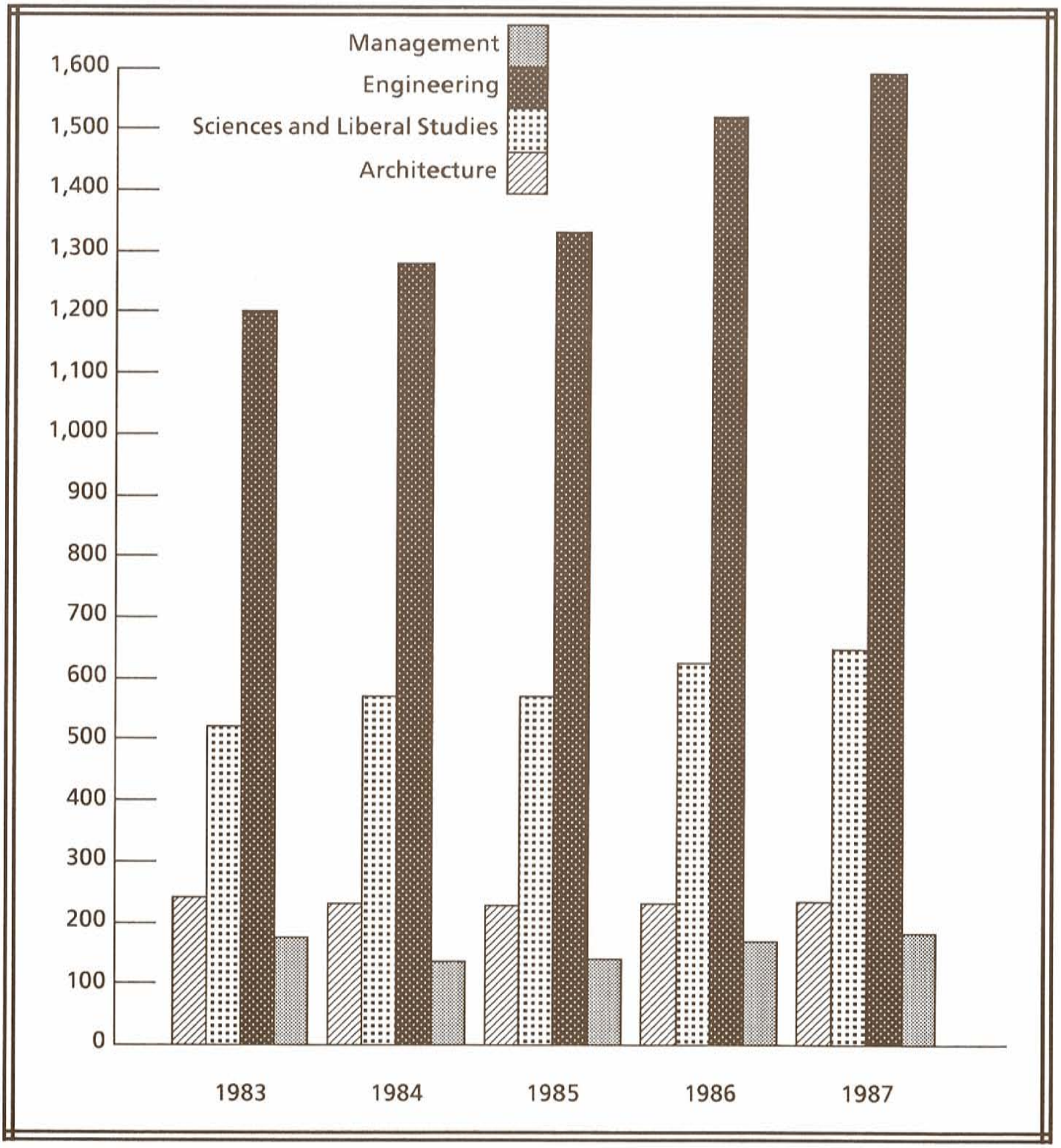
Source: Office of the Registrar

FALL QUARTER GRADUATE ENROLLMENT BY COLLEGE, 1983-1987

	1983		1984		1985		1986		1987	
	Male	*Female*	*Male*	*Female*	*Male*	*Female*	*Male*	*Female*	*Male*	*Female*
ARCHITECTURE										
Architecture	138	60	122	58	124	52	135	45	126	45
Building Construction	0	0	1	0	0	0	0	0	0	0
City Planning	33	13	36	17	33	19	33	21	43	22
TOTAL ARCHITECTURE	**171**	**73**	**159**	**75**	**157**	**71**	**168**	**66**	**169**	**67**
ENGINEERING										
Aerospace	84	8	93	8	103	11	115	7	134	6
Ceramic	11	3	16	2	14	1	14	3	14	3
Chemical	97	21	99	14	72	20	70	20	63	15
Civil	147	13	158	19	110	9	143	10	159	20
Electrical	360	31	336	34	412	43	480	61	500	72
Environmental Engineering	12	2	17	5	12	9	14	10	19	7
Engineering Science & Mechanics	19	5	19	5	16	3	19	4	13	4
Industrial and Systems	135	30	126	35	103	35	126	43	154	44
Mechanical	146	5	193	11	219	12	252	12	210	22
Metallurgy	27	3	28	1	31	0	26	3	28	6
Nuclear & Health Physics	56	8	77	18	57	7	57	12	63	11
Textiles	5	2	5	1	3	3	7	1	4	2
Textile Chemistry	1	2	4	2	6	1	5	0	8	1
Textile Engineering	10	1	6	1	8	3	9	1	12	2
TOTAL ENGINEERING	**1,071**	**129**	**1,132**	**150**	**1,166**	**166**	**1,337**	**187**	**1,381**	**215**
MANAGEMENT										
Management	120	54	109	31	103	40	126	42	141	41
Management Science	3	0	0	0	0	0	1	0	1	0
TOTAL MANAGEMENT	**123**	**54**	**109**	**31**	**103**	**40**	**127**	**42**	**142**	**41**
SCIENCES & LIBERAL STUDIES (COSALS)										
Applied Biology	15	10	18	14	20	10	22	11	24	14
Chemistry	60	35	66	34	63	31	57	33	69	29
Geophysical Sciences	45	10	42	12	44	9	54	13	55	11
Information & Computer Science	171	39	185	48	183	45	206	49	174	44
Mathematics	23	8	35	9	38	12	30	18	39	21
Physics	48	8	42	8	39	9	59	9	73	12
Psychology	23	18	24	23	22	29	24	29	23	34
Technology & Science Policy	6	3	8	4	10	4	7	6	24	5
Undeclared	0	0	0	0	1	0	0	0	0	0
TOTAL COSALS	**391**	**131**	**420**	**152**	**420**	**149**	**458**	**168**	**481**	**170**
INSTITUTE SUBTOTAL	**1,756**	**387**	**1,820**	**408**	**1,846**	**426**	**2,091**	**463**	**2,173**	**493**
INSTITUTE TOTAL	**2,143**		**2,228**		**2,272**		**2,554**		**2,666**	

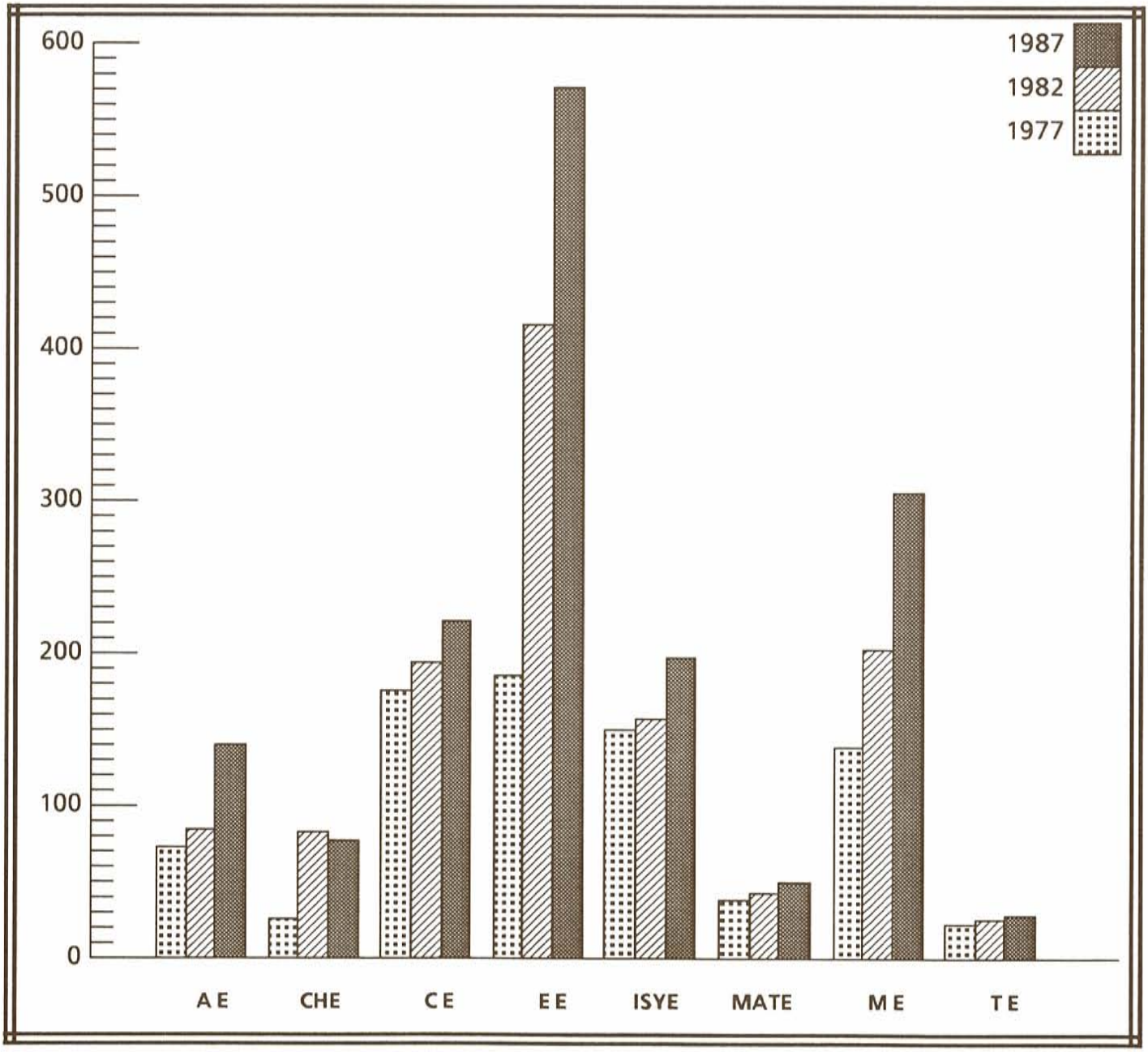
Source: Office of the Registrar

FALL QUARTER GRADUATE ENROLLMENT BY COLLEGE, 1983-1987



Source: Office of the Registrar

ENGINEERING COLLEGE GRADUATE ENROLLMENT
FALL QUARTERS 1977,1982,1987



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

Source: Office of the Registrar

AVERAGE FALL QUARTER GRADE POINT AVERAGES
1977-1986

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
					UNDERGRADUATE					
Freshman										
Architecture	2.3	2.4	2.4	2.5	2.3	2.2	2.3	2.2	2.3	2.4
Engineering	2.4	2.5	2.4	2.6	2.6	2.5	2.5	2.5	2.6	2.6
Management	2.0	2.1	2.1	2.1	2.2	2.1	2.2	2.2	2.2	2.2
Sciences & Liberal Studies	2.3	2.3	2.3	2.5	2.4	2.4	2.4	2.4	2.6	2.6
Total	**2.3**	**2.3**	**2.4**	**2.4**	**2.5**	**2.5**	**2.4**	**2.4**	**2.5**	**2.5**
Sophomore										
Architecture	2.2	2.4	2.3	2.4	2.4	2.5	2.5	2.5	2.6	2.4
Engineering	2.5	2.5	2.5	2.6	2.6	2.5	2.6	2.6	2.6	2.6
Management	2.3	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.2	2.3
Sciences & Liberal Studies	2.6	2.6	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.5
Total	**2.4**	**2.5**	**2.4**	**2.5**	**2.6**	**2.3**	**2.6**	**2.6**	**2.6**	**2.6**
Junior										
Architecture	2.4	2.4	2.4	2.5	2.6	2.5	2.5	2.7	2.6	2.7
Engineering	2.5	2.6	2.5	2.6	2.6	2.6	2.6	2.7	2.7	2.7
Management	2.4	2.4	2.3	2.5	2.6	2.4	2.5	2.5	2.4	2.4
Sciences & Liberal Studies	2.8	2.6	2.7	2.8	2.7	2.6	2.6	2.7	2.7	2.7
Total	**2.5**	**2.5**	**2.5**	**2.6**	**2.6**	**2.5**	**2.6**	**2.6**	**2.6**	**2.6**
Senior										
Architecture	2.4	2.5	2.5	2.6	2.6	2.5	2.6	2.7	2.7	2.7
Engineering	2.6	2.6	2.6	2.7	2.5	2.7	2.7	2.7	2.7	2.7
Management	2.4	2.5	2.4	2.5	2.5	2.5	2.5	2.4	2.5	2.5
Sciences & Liberal Studies	2.8	2.9	2.7	2.8	2.8	2.8	2.7	2.7	2.7	2.7
Total	**2.6**	**2.6**	**2.6**	**2.7**	**2.7**	**2.7**	**2.7**	**2.7**	**2.7**	**2.7**
Total Undergraduate										
Architecture	2.3	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.6
Engineering	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.7	2.7	2.7
Management	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Sciences & Liberal Studies	2.6	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Total	**2.4**	**2.5**	**2.4**	**2.6**	**2.6**	**2.6**	**2.6**	**2.6**	**2.6**	**2.6**
	1977	*1978*	*1979*	*1980*	*1981*	*1982*	*1983*	*1984*	*1985*	*1986*
					GRADUATE					
All Graduate Students										
Architecture	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.4
Engineering	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.5
Management	3.2	3.3	3.2	3.2	3.4	3.4	3.4	3.3	3.3	3.3
Sciences & Liberal Studies	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.5
Total	**3.3**	**3.4**	**3.3**	**3.4**	**3.4**	**3.4**	**3.4**	**3.5**	**3.5**	**3.5**

Source: Office of the Registrar

NUMBER AND PERCENTAGE DISTRIBUTION OF GRADES BY DIVISION AND COLLEGE, FALL QUARTER 1986

UNDERGRADUATE LOWER DIVISION

GRADES:	*A*	*B*	*C*	*D*	*F*	*S**	*U**	*W**	*I**	*V**
Architecture										
Number	203	233	104	28	22	1	--	32	21	1
Percentage	31.4	36.1	16.1	4.3	3.4	0.1	--	4.9	3.2	0.1
Engineering										
Number	543	589	449	152	95	2	--	325	22	9
Percentage	24.8	26.9	20.5	6.9	4.3	0.0	--	14.8	1.0	0.4
Management										
Number	227	396	579	188	61	20	6	118	7	2
Percentage	14.1	24.6	36.0	11.7	3.8	1.2	0.3	7.3	0.4	0.1
COSALS										
Number	4,513	5,476	4,401	1,375	674	159	34	1,180	117	53
Percentage	25.0	30.4	24.4	7.6	3.7	0.8	0.1	6.5	0.6	0.2

UNDERGRADUATE UPPER DIVISION

GRADES:	*A*	*B*	*C*	*D*	*F*	*S**	*U**	*W**	*I**	*V**
Architecture										
Number	249	341	147	28	7	9	--	47	27	--
Percentage	29.1	39.8	17.1	3.2	0.8	1.0	--	5.4	3.1	--
Engineering										
Number	2,915	3,606	2,571	641	227	169	5	867	116	100
Percentage	25.9	32.1	22.9	5.7	2.0	1.5	0.0	7.7	1.0	0.8
Management										
Number	426	933	600	144	35	95	5	202	22	2
Percentage	17.2	37.8	24.3	5.8	1.4	3.8	0.2	8.1	0.8	0.0
COSALS										
Number	1,693	1,961	1,258	320	133	330	13	582	79	54
Percentage	26.3	30.5	19.5	4.9	2.0	5.1	0.2	9.0	1.2	0.8

GRADUATE

GRADES:	*A*	*B*	*C*	*D*	*F*	*S**	*U**	*W**	*I**	*V**
Architecture										
Number	259	229	49	8	1	65	43	34	69	37
Percentage	32.6	28.8	6.1	1.0	0.1	8.1	5.4	4.2	8.6	4.6
Engineering										
Number	1,347	1,077	242	21	10	658	29	217	128	1,027
Percentage	28.3	22.6	5.0	0.4	0.2	13.8	0.6	4.5	2.6	21.5
Management										
Number	262	269	61	5	2	108	1	28	27	53
Percentage	32.1	32.9	7.4	0.6	0.2	13.2	0.1	3.4	3.3	6.4
COSALS										
Number	415	291	95	12	6	478	3	70	22	377
Percentage	23.4	16.4	5.3	0.6	0.3	27.0	0.1	3.9	1.2	21.3

***S = Safisfactory Completion of Pass/Fail; U = Unsatisfactory Completion of Pass/Fail;W = Withdrawn; I = Incomplete; V = Audit or Thesis**

Source: Office of the Registrar

STUDENT CREDIT HOURS*

STUDENT CREDIT HOURS BY COLLEGE

	LOWER DIVISION	*UPPER DIVISION*	*GRADUATE DIVISION*	*TOTAL*
Architecture				
Fall Quarter 1987	3,005	3,713	3,218	9,936
Academic Year 1986-87**	6,737	6,711	6,567	20,015
Engineering				
Fall Quarter 1987	6,096	35,184	20,461	61,741
Academic Year 1986-87**	17,492	116,376	67,773	201,641
Management				
Fall Quarter 1987	4,819	8,229	2,997	16,045
Academic Year 1986-87**	15,266	27,649	7,413	50,328
Sciences and Liberal Studies				
Fall Quarter 1987	69,641	20,583	9,755	99,979
Academic Year 1986-87**	200,074	70,603	31,066	301,743
Institute Total				
Fall Quarter 1987	83,606	67,744	36,441	187,791
Academic Year 1986-87**	240,933	224,634	115,323	580,890

INSTITUTE TOTALS BY ACADEMIC YEAR

ACADEMIC YEAR	*LOWER DIVISION*	*UPPER DIVISION*	*GRADUATE DIVISION*	*TOTAL*
1986-87	240,933	224,634	115,323	580,890
1985-86	236,832	218,419	102,300	557,551
1984-85	229,129	225,400	73,162	527,691
1983-84	231,948	227,708	68,634	528,290
1982-83	258,484	238,044	67,640	564,168
1981-82	250,379	246,690	63,240	560,309
1980-81	256,723	240,752	61,993	559,468
1979-80	274,684	227,554	60,211	562,449
1978-79	262,294	205,590	54,383	522,267
1977-78	250,524	190,105	52,755	493,384
1976-77	239,929	170,512	52,995	463,436

* 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.

** Academic Year 1986-87 reflects student credit hours produced for Summer 1986, Fall 1986, Winter 1987, and Spring 1987.

Source: Office of the Registrar

UNDERGRADUATE COOPERATIVE PROGRAM

Since 1912, Georgia Tech has offered a five-year cooperative program to those students who wish to combine industrial work experience with classroom studies. The program is the fourth oldest program of its kind in the world and is the largest optional co-op program in the country. Students who enroll in this program alternate between industrial assignments and classroom studies on a quarterly basis, completing the same course work on the campus that is completed by regular four-year students. Graduates of the program are awarded a degree in their 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. In addition to the Georgia Power Company, more than 400 companies participate in the program, including 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.

NUMBER OF CO-OP STUDENTS BY MAJOR: Spring Quarter 1987

Aerospace Engineering	145	Information&Computer Sci.	186
Biology	9	Management	152
Ceramic Engineering	13	Mathematics	12
Chemical Engineering	164	Mechanical Engineering	376
Chemistry	12	Nuclear Engineering	35
Civil Engineering	97	Physics	27
Electrical Engineering	754	Textile Engineering	19
Eng. Sci. & Mechanics	24	Undecided Eng. College	15
Health Physics	6	Undecided Mgt. College	3
Industrial&Systems Eng.	260	**Total**	**2,309**

COOPERATIVE DIVISION SIX-YEAR COMPARISON

	1982-83	*1986-1987*	*% Increase*
Cumulative Enrollment	2,483	2,884	16%
Student Graduates	342	366	7%

Source: Office of the Director, Cooperative Division

GRADUATE COOPERATIVE PROGRAM

The Graduate Cooperative Program was established in December 1983. Forty-eight students (26 in 1986-87) have received their graduate degrees with Graduate Co-op Program certificates. Continuing students and new placements totaled 148 during 1986-87, and Graduate Co-op students worked at 67 different company sites. Summary statistics for the program are given below.

SUMMARY STATISTICS

	FY84	*FY85*	*FY86*	*FY87*
Applicants	72	140	121	142
Admissions	68	130	92	138
Placements	20	50	54	59
Companies for above placements	13	34	46	32
Student Participation				
AE	1	4	3	6
BIOL	0	0	0	1
CHE	4	8	8	8
CHEM	0	0	0	2
CE	1	4	6	6
EE	2	14	25	37
ESM	0	1	3	5
GEOS	0	0	1	1
ICS	0	0	0	3
ISYE	0	5	11	13
ME	7	20	30	36
NE	0	1	2	1
MATH	2	5	5	5
MET	0	0	1	1
MGT	3	7	6	13
PHYS	0	1	5	8
TEXT	0	0	2	2
TOTAL	**20**	**70**	**108**	**148**

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

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, and Floyd Junior College.

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 nonscholarship, 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

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 240. Over 80 percent of the midshipmen are on scholarship, which pays tuition, fees, books, uniforms, and a $100 per month subsistence payment. Nonscholarship 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. Data indicate 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.

Source: Office of the Commanding Officer, Navy ROTC

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. On the average, Air Force ROTC enrollment at Georgia Tech is 250 students, of which about 150 have full scholarships. Each year, approximately forty graduates are commissioned as Second Lieutenants into the U. S. Air Force.

Source: Office of the Commanding Officer, Air Force ROTC

DEGREES AWARDED BY COLLEGE
1982-1987 (Summer-Spring)

College	*1982-83*	*1983-84*	*1984-85*	*1985-86*	*1986-87*
		BACHELOR'S			
SCIENCES AND LIBERAL STUDIES (COSALS)					
Applied Biology	16	12	11	16	22
Applied Physics	12	27	15	21	22
Chemistry	20	13	15	12	15
Information & Computer Science	85	88	121	99	106
Mathematics	5	12	7	17	13
Physics	27	13	16	15	13
Psychology	6	4	9	10	17
Total	**171**	**169**	**194**	**190**	**208**
MANAGEMENT					
Economics	7	1	6	5	4
Industrial Management	271	217	197	202	204
Management	--	19	50	62	100
Management Science	19	19	22	53	41
Total	**297**	**256**	**275**	**322**	**349**
ARCHITECTURE					
Building Construction	22	25	12	22	12
Indusrial Design	7	4	15	5	17
Architecture	80	75	50	55	40
Total	**109**	**104**	**77**	**82**	**69**
ENGINEERING					
Aerospace	68	80	89	106	83
Ceramic	7	10	8	13	8
Chemical	162	160	165	102	91
Civil	153	103	92	95	95
Engineering Economic Systems	1	--	--	--	--
Electrical	349	404	362	357	353
Engineering Science & Mechanics	12	12	13	18	11
Industrial	262	208	190	191	189
Industrial & Systems	--	--	--	1	--
Health Systems	22	8	11	3	--
Materials	--	--	--	--	1
Mechanical	317	293	274	250	210
Nuclear	21	16	19	30	13
Health Physics	--	6	2	11	6
Textile Chemistry	1	2	4	2	3
Textile Engineering	8	10	8	8	10
Textiles	9	3	6	6	10
Total	**1,392**	**1,315**	**1,243**	**1,193**	**1,083**

DEGREES AWARDED BY COLLEGE
1982-1987 (Summer-Spring)

College	*1982-83*	*1983-84*	*1984-85*	*1985-86*	*1986-87*
		MASTER'S			
SCIENCES AND LIBERAL STUDIES (COSALS)					
Applied Biology	3	4	4	1	1
Applied Physics	--	--	2	4	2
Chemistry	7	6	4	4	2
Geophysical Sciences	9	10	16	8	6
Information & Computer Science	48	62	66	78	75
Mathematics	4	9	5	13	10
Physics	12	16	11	11	15
Psychology	9	3	3	4	6
Technology & Science Policy	2	2	2	4	3
Statistics	--	1	--	--	1
Total	**94**	**113**	**113**	**127**	**121**
MANAGEMENT					
Statistics	--	--	--	1	--
Industrial Management	42	42	14	--	--
Management	2	40	41	60	59
Total	**44**	**82**	**55**	**61**	**59**
ARCHITECTURE					
City Planning	23	15	17	18	18
Architecture	45	58	51	53	50
Total	**68**	**73**	**68**	**71**	**68**
ENGINEERING					
Aerospace	11	22	25	23	32
Ceramic	5	5	5	4	2
Chemical	25	16	21	24	21
Civil	48	57	61	50	40
Electrical	140	159	160	147	202
Engineering Science & Mechanics	4	4	10	7	3
Environmental	10	3	3	3	4
Industrial	16	37	22	18	26
Industrial & Systems	3	3	4	5	9
Health Systems	8	5	6	5	8
Mechanical	48	52	72	92	92
Metalurgical	8	2	6	10	6
Materials	--	--	--	3	--
Nuclear	13	10	10	16	8
Operations Research	18	29	20	16	17
Polymers	--	--	1	1	2
Health Physics	18	15	8	21	11
Statistics	--	--	3	5	1
Textile Engineering	3	7	4	1	2
Textiles	3	--	1	--	1
Total	**381**	**426**	**442**	**451**	**487**

DEGREES AWARDED BY COLLEGE
1982-1987 (Summer-Spring)

College	*1982-83*	*1983-84*	*1984-85*	*1985-86*	*1986-87*
		PH.D.'s			
SCIENCES AND LIBERAL STUDIES (COSALS)					
Biology	--	--	--	--	2
Chemistry	5	15	13	14	11
Geophysical Sciences	2	1	2	5	5
Information & Computer Science	2	1	2	2	7
Mathematics	3	--	2	1	4
Physics	9	1	5	2	8
Psychology	2	8	5	4	5
Total	**23**	**26**	**29**	**28**	**42**
MANAGEMENT					
Industrial Management	--	2	1	1	--
Management	--	2	--	--	1
Total	**--**	**4**	**1**	**1**	**1**
ENGINEERING					
Aerospace	13	8	7	7	11
Ceramic	1	--	1	1	2
Chemical	6	7	4	12	5
Civil	4	4	3	6	2
Electrical	4	8	7	11	3
Engineering Science & Mechanics	3	3	--	2	2
Environmental	2	1	1	--	--
Industrial	--	--	7	8	7
Industrial & Systems	9	9	--	--	--
Metalurgical	--	--	--	1	2
Mechanical	3	7	2	6	7
Nuclear	6	6	2	--	4
Textile Engineering	--	1	1	--	--
Total	**51**	**54**	**35**	**54**	**45**

DEGREES AWARDED BY COLLEGE
1982-1987 (Summer-Spring)

FIVE YEAR SUMMARY

College	*1982-83*	*1983-84*	*1984-85*	*1985-86*	*1986-87*
Sciences & Liberal Studies					
Bachelor's	171	169	194	190	208
Master's	94	113	113	127	121
Doctorate	23	26	29	28	42
Total	**288**	**308**	**336**	**345**	**371**
Management					
Bachelor's	297	256	275	322	349
Master's	44	82	55	61	59
Doctorate	0	4	1	1	1
Total	**341**	**342**	**331**	**384**	**409**
Architecture					
Bachelor's	109	104	77	82	69
Master's	68	73	68	71	68
Total	**177**	**177**	**145**	**153**	**137**
Engineering					
Bachelor's	1,392	1,315	1,243	1,193	1083
Master's	381	426	442	451	487
Doctorate	51	54	35	54	45
Total	**1,824**	**1,795**	**1,720**	**1,698**	**1,615**
Institute					
Bachelor's	1,969	1,844	1,789	1,787	1709
Master's	587	694	678	710	735
Doctorate	74	84	65	83	88
Total	**2,630**	**2,622**	**2,532**	**2,580**	**2,532**

Source: Office of the Registrar

DEGREES AWARDED SUMMER 1986-SPRING 1987

BACHELOR'S

College	Nonresident Aliens		Black, Non-Hispanic		Native American		Asian		Hispanic		White	
	M	F	M	F	M	F	M	F	M	F	M	F
Architecture	3	0	0	3	0	0	3	0	0	0	46	14
COSALS	3	0	8	3	0	0	4	4	3	1	136	46
Engineering	30	2	35	16	1	0	39	10	19	8	751	172
Management	2	1	8	4	0	0	6	2	1	1	223	101
Total	**38**	**3**	**51**	**26**	**1**	**0**	**52**	**16**	**23**	**10**	**1,156**	**333**

MASTER'S

College	Nonresident Aliens		Black, Non-Hispanic		Native American		Asian		Hispanic		White	
	M	F	M	F	M	F	M	F	M	F	M	F
Architecture	7	1	1	0	0	0	1	0	0	0	38	20
COSALS	18	4	1	1	0	0	4	1	1	0	71	20
Engineering	99	3	15	10	0	0	25	2	18	5	270	40
Management	10	0	1	0	0	0	4	1	1	0	71	20
Total	**134**	**8**	**18**	**11**	**0**	**0**	**30**	**3**	**20**	**5**	**412**	**94**

PH.D.'S

College	Nonresident Aliens		Black, Non-Hispanic		Native American		Asian		Hispanic		White	
	M	F	M	F	M	F	M	F	M	F	M	F
COSALS	10	4	1	0	0	0	0	1	1	0	17	8
Engineering	20	1	1	0	0	0	0	0	0	0	22	1
Management	0	0	0	0	0	0	0	0	0	0	0	1
Total	**30**	**5**	**2**	**0**	**0**	**0**	**0**	**1**	**1**	**0**	**39**	**10**
INSTITUTE TOTAL	***202***	***16***	***71***	***37***	***1***	***0***	***82***	***20***	***44***	***15***	***1,607***	***437***

Source: Office of the Registrar

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 $9.6 million in 1986-87. 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 MONTHLY STARTING SALARIES

The average monthly starting salary offers shown reflect only those 1 July 1986-30 June 1987 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

	INDUSTRY OFFERS			*GOVERNMENT OFFERS*		
MAJOR	*High*	*Low*	*Average / # Offers*	*High*	*Low*	*Average / # Offers*
Aerospace Engineering						
Bachelor's	$2,535	$2,152	$2,328/11	$1,989	$1,908	$1,949/2
Master's	$2,990	$2,460	$2,699/7	$2,362	$2,362	$2,362/1
Building Construction						
Bachelor's	$2,083	$2,083	$2,083/1			
Chemical Engineering						
Bachelor's	$3,030	$2,045	$2,561/64	$1,989	$1,606	$1,834/3
Master's	$3,500	$2,583	$2,870/12			
Ph.D.	$3,900	$2,917	$3,633/11			
Chemistry						
Master's	$1,833	$1,833	$1,833/1			
Ph.D.	$3,300	$2,667	$3,056/3			
Civil Engineering						
Bachelor's	$2,867	$1,875	$2,200/27	$2,057	$1,600	$1,940/19
Master's	$2,333	$2,210	$2,272/2			
Ph.D.	$3,666	$3,666	$3,666/1			
Electrical Engineering						
Bachelor's	$3,137	$2,000	$2,458/138	$2,327	$1,606	$2,094/9
Master's	$3,542	$2,170	$2,893/58	$2,362	$2,225	$2,316/3
Ph.D.	$4,250	$4,167	$4,209/2			
Engineering Science and Mechanics						
Bachelor's	$2,460	$2,250	$2,355/2			
Health Physics						
Bachelor's	$2,500	$2,430	$2,565/2			
Industrial and Systems Engineering						
Bachelor's	$2,792	$1,500	$2,226/84	$1,989	$1,908	$1,935/3
Master's	$2,916	$2,167	$2,549/14	$2,362	$2,362	$2,362/1
Information and Computer Science						
Bachelor's	$3,750	$1,900	$2,284/32	$2,225	$2,225	$2,225/1
Master's	$4,317	$2,666	$3,160/11	$2,605	$2,605	$2,605/1
Ph.D.	$5,167	$4,167	$4,667/2			
Management						
Bachelor's	$2,500	$1,416	$1,862/65			
Master's	$2,808	$1,500	$2,280/19			
Management Science						
Bachelor's	$2,375	$1,625	$1,986/8			
Materials Engineering						
Master's	$2,800	$2,800	$2,800/1			

REPORTED MONTHLY STARTING SALARIES

MAJOR	INDUSTRY OFFERS High	Low	Average / # Offers	GOVERNMENT OFFERS High	Low	Average / # Offers
Mechanical Engineering						
Bachelor's	$2,815	$1,875	$2,386/90	$2,225	$1,908	$2,014/3
Master's	$3,500	$2,367	$2,770/23	$2,241	$1,761	$2,001/4
Ph.D.	$3,542	$3,542	$3,542/1			
Metallurgy						
Bachelor's	$2,210	$2,210	$2,210/1			
Nuclear Engineering						
Bachelor's	$3,000	$2,450	$2,642/3	$1,908	$1,775	$1,842/2
Master's	$2,686	$2,525	$2,606/2	$2,225	$2,225	$2,225/1
Physics						
Bachelor's	$2,500	$1,875	$2,188/2			
Ph.D.	$3,750	$3,710	$3,730/2			
Psychology						
Ph.D.	$3,875	$3,875	$3,875/1			
Textile Chemistry						
Bachelor's	$2,208	$1,842	$2,025/2			
Textile Engineering						
Bachelor's	$2,300	$2,007	$2,119/3			
Textiles						
Bachelor's	$2,400	$2,062	$2,249/5			

AVERAGE STARTING SALARIES REPORTED BY EMPLOYERS, 1 JULY 1986-30 JUNE 1987

OVERALL COMBINED INDUSTRY & GOVERNMENT AVERAGE

STARTING SALARY PER MONTH / NUMBER OF OFFERS

	1985-86	*1986-87*	*PERCENT CHANGE*
Overall	$2,364/632	$2,462/764	+ 2.6%
Bachelor's	$2,256/504	$2,293/582	+ 1.6%
Master's	$2,710/115	$2,726/159	+ 0.5%
Ph.D.	$3,791/13	$3,714/23	– 2.0%

	BY COLLEGE Engineering	Architecture	Management	COSALS
Overall	$2,475/615	$2,083/1	$1,959/92	$2,656/56
Bachelor's	$2,358/473	$2,083/1	$1,876/73	$2,277/35
Master's	$2,763/127	None	$2,280/19	$3,015/13
Ph.D.	$3,706/15	None	None	$3,730/8

Source: Office of the Director, Corporate Relations and Placement

REPORTED POST-GRADUATION PLANS

The following is a summary of post-graduation plans for 1986-1987 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 1986 Graduates					
Architecture	2	1 (50%)	1 (50%)	0 (0%)	0 (0%)
Engineering	145	60 (41%)	23 (16%)	7 (5%)	55 (38%)
Management	34	13 (38%)	3 (9%)	1 (3%)	17 (50%)
Sciences & Liberal Studies	17	5 (29%)	4 (24%)	1 (6%)	7 (41%)
Total	**198**	**79 (40%)**	**31 (16%)**	**9 (4%)**	**79 (40%)**
December 1986 Graduates					
Architecture	7	2 (29%)	4 (57%)	1 (14%)	0 (0%)
Engineering	125	50 (40%)	15 (12%)	2 (2%)	58 (46%)
Management	18	4 (22%)	1 (6%)	1 (6%)	12 (66%)
Sciences & Liberal Studies	13	3 (23%)	6 (46%)	1 (8%)	3 (23%)
Total	**163**	**59 (36%)**	**26 (16%)**	**5 (3%)**	**73 (45%)**
March 1987 Graduates					
Architecture	2	1 (50%)	0 (0%)	0 (0%)	1 (50%)
Engineering	59	26 (44%)	9 (15%)	4 (7%)	20 (34%)
Management	14	7 (50%)	0 (0%)	0 (0%)	7 (50%)
Sciences & Liberal Studies	5	4 (80%)	1 (20%)	0 (0%)	0 (0%)
Total	**80**	**38 (48%)**	**10 (12%)**	**4 (5%)**	**28 (35%)**
June 1987 Graduates					
Architecture	0	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Engineering	15	8 (53%)	3 (20%)	0 (0%)	4 (27%)
Management	2	2 (100%)	0 (0%)	0 (0%)	0 (0%)
Sciences & Liberal Studies	8	5 (62%)	0 (0%)	0 (0%)	3 (38%)
Total	**25**	**15 (60%)**	**3 (12%)**	**0 (0%)**	**7 (28%)**
Total 1986-1987 Graduates					
Architecture	11	4 (36%)	5 (46%)	1 (9%)	1 (9%)
Engineering	344	144 (42%)	50 (14%)	13 (4%)	137 (40%)
Management	68	26 (38%)	4 (6%)	2 (3%)	36 (53%)
Sciences & Liberal Studies	43	17 (40%)	11 (25%)	2 (5%)	13 (30%)
Total	**466**	**191 (41%)**	**70 (15%)**	**18 (4%)**	**187 (40%)**

Source: Office of the Director, Corporate Relations & Placement

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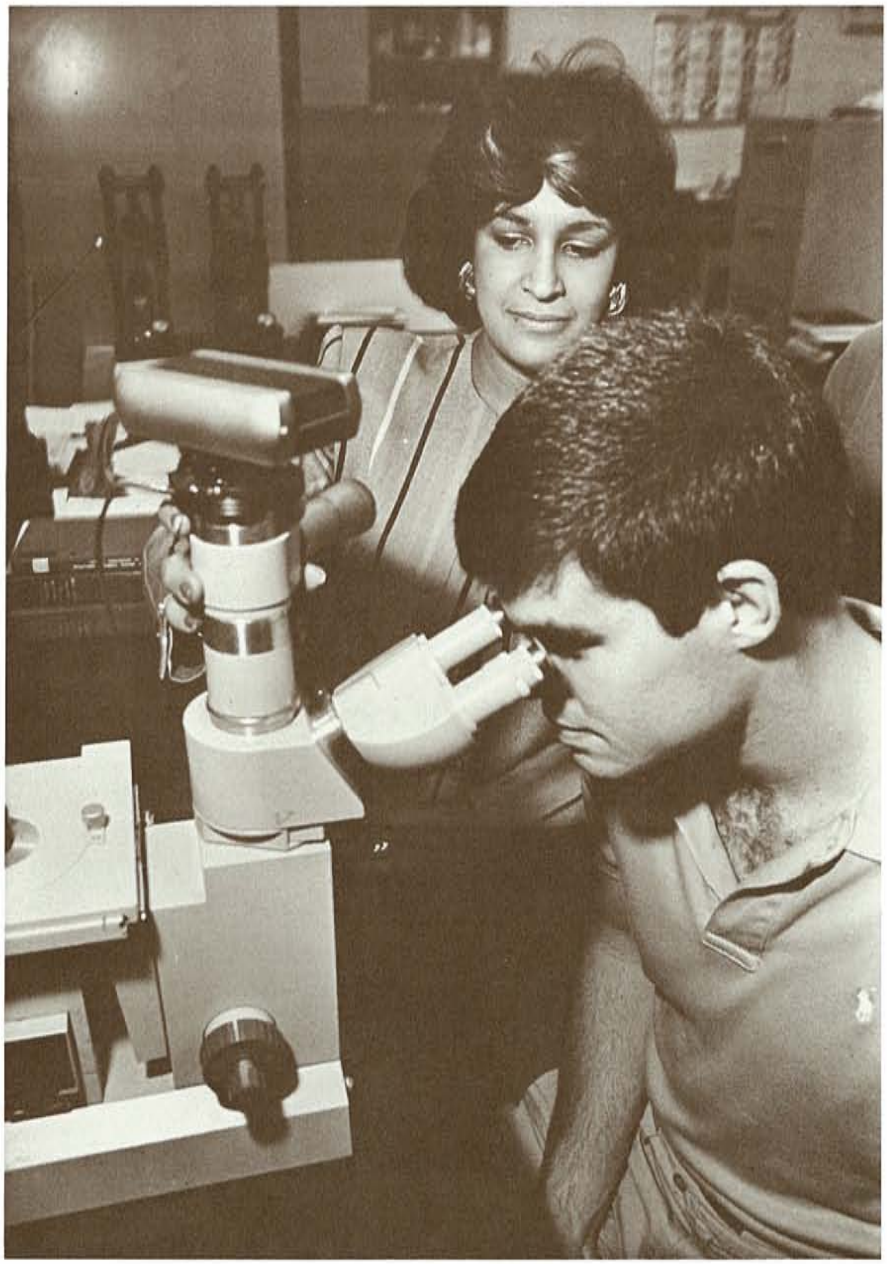
FACULTY / STAFF PROFILES

1987-88

Fact Book



CHAIRS AND PROFESSORSHIPS

NAME OF CHAIR OR PROFESSORSHIP	*CHAIR HOLDER*	*DEPARTMENT, SCHOOL, OR COLLEGE*
John O. McCarty/Audichron Chair	Ronald W. Schafer	Electrical Engineering
Julius Brown Chair	Erling Grovenstein, Jr.	Chemistry
Julius Brown Chair	Thomas K. Gaylord	Electrical Engineering
Morris M. Bryan, Jr. Chair	Vijay A.Tipnis	Mechanical Engineering
Fuller E. Callaway Chair	John L. Lundberg	College of Engineering
Fuller E. Callaway Chair	Melvin Kranzberg	Sociology
Fuller E. Callaway Chair	Eugene E. Comiskey	Management
Fuller E. Callaway Chair, Nuclear Engineering and Health Physics	Weston M. Stacey	Mechanical Engineering
A. Russell Chandler III Chair for Distinguished Faculty	George L. Nemhauser	College of Engineering
Coca-Cola Chair in Material Handling and Distribution	Ellis Johnson	College of Engineering
First National Bank Endowed Chair in Business and Management		Management
Georgia Power Distinguished Professorship	Ajeet Rohatgi	Electrical Engineering
Georgia Power Chair	S. Peter Kezios	Mechanical Engineering
Georgia Power Chair	Roger P. Webb	Electrical Engineering
Georgia Power Professorship in Nuclear Engineering	S.I. Abdel-Khalik	Mechanical Engineering

CHAIRS AND PROFESSORSHIPS

NAME OF CHAIR OR PROFESSORSHIP	*CHAIR HOLDER*	*DEPARTMENT, SCHOOL, OR COLLEGE*
Byers Eminent Scholars Chair in Microelectronics	Carl M. Verber	Electrical Engineering
Eugene C. Gwaltney, Jr. Chair in Manufacturing Systems	--	College of Engineering
Julian T. Hightower Chair in Engineering	--	College of Engineering
B. Mifflin Hood Professorship in Materials Engineering	Alan Chapman	College of Engineering
Mills B. Lane Professorship in Finance and Banking Management	Bernell K. Stone	College of Management
Frank H. Neely Professorship in Nuclear Engineering and Health Physics	Melvin W. Carter	Mechanical Engineering
Parker H. Pettit Chair for Engineering in Medicine (Healthdyne)	Robert Nerem	Mechanical Engineering
Schlumberger Professorship in Microelectronics	Phillip E.Allen	Electrical Engineering
Southern Bell Telephone and Telegraph Company Professorship in Communications Policy	--	Sociology
Vasser Wooley Chair	Herbert O. House	Chemistry

Source: Office of the Associate Vice President for Academic Affairs

INSTITUTIONS AWARDING HIGHEST DEGREES TO MEMBERS OF THE ACADEMIC FACULTY (As of Fall Quarter 1987)

# per Institution	Institutions
78	Georgia Institute of Technology
39	Massachusetts Institute of Technology
24	Stanford University
22	University of Illinois
21	Emory University
19	University of Michigan
18	University of California
17	Purdue University
16	University of Florida; Princeton University
14	Ohio State University
13	University of Pennsylvania
12	Cornell University; University of Wisconsin
10	Harvard University
9	Columbia University
7	Georgia State University; University of Georgia; University of Maryland; Northwestern University; University of North Carolina; Tulane University; University of Washington
6	Brown University; California Institute of Technology; University of Illinois-Urbana; Michigan State University; North Carolina State University; University of Virginia
5	Carnegie-Mellon University; Case Western Reserve University; University of Chicago; Duke University; Florida State University; Johns Hopkins University; Rice University; Washington University; University of Wisconsin-Madison
4	Illinois Institute of Technology; Indiana University; University of London-United Kingdom; University of Rochester; University of Texas-Austin; Yale University
3	Auburn University; University of Colorado; University of Cincinnati; University of Delaware; University of Houston; University of Kansas; Louisiana State University; University of Notre Dame; University of Pittsburgh; State University of New York at Buffalo; Technion--I.T.T. (Israel Institute of Technology), Haifa, Israel; University of Tennessee-Knoxville; Virginia Polytechnic Institute and State University
2	University of Alabama; Atlanta University; University of Akron; University of California-Davis; University of California-San Diego; University of Connecticut; George Washington University; George Peabody College; Iowa State University; University of Iowa; Kansas State University; University of Massachusetts; University of Missouri-Columbia; University of Minnesota; North Carolina State University-Raleigh; University of North Carolina-Chapel Hill; Oklahoma State University; University of Oklahoma; Oregon State University; Pennsylvania State University; Polytechnic Institute of New York; Rensselaer Polytechnic Institute; Rockefeller University; University of Southern California; State University of New York at Stony Brook; Syracuse University; University of Texas; University of Utah
1	73 different institutions
Total:	**662 academic faculty**

Source: Office of the Associate Vice President for Academic Affairs

FULL-TIME INSTRUCTIONAL FACULTY PROFILE BY COLLEGE*
(As of June 1987)

DISTRIBUTION BY RANK

College	Professor #	Professor %	Associate Professor #	Associate Professor %	Assistant Professor #	Assistant Professor %	Instructor #	Instructor %	Total #
Engineering	119	47.6	70	28.0	61	24.4	--	--	250
Sciences and Liberal Studies	80	38.1	81	38.6	46	21.9	3	1.4	210
Architecture	9	25.7	17	48.6	9	25.7	--	--	35
Management	16	38.1	11	26.2	15	35.7	--	--	42
Total	**224**	**41.7**	**179**	**33.3**	**131**	**24.4**	**3**	**0.6**	**537**

DISTRIBUTION BY HIGHEST DEGREE

College	Doctorate #	Doctorate %	Specialist #	Specialist %	Master's #	Master's %	Bachelor's / Other #	Bachelor's / Other %	Total #
Engineering	244	97.6	--	---	4	1.6	2	0.8	250
Sciences and Liberal Studies	196	93.3	--	--	13	6.2	1	0.5	210
Architecture	13	37.1	--	--	20	57.1	2	5.7	35
Management	41	97.6	--	--	1	2.4	--	--	42
Total	**494**	**92.0**	**--**	**--**	**38**	**7.1**	**5**	**0.9**	**537**

DISTRIBUTION BY RACE AND SEX

College	Black Male	White Male	Other Male	Black Female	White Female	Other Female	Total
Engineering	4	207	34	1	4	0	250
Sciences and Liberal Studies	2	167	12	1	27	1	210
Architecture	2	29	0	1	3	0	35
Management	2	29	8	0	3	0	42
Total	**10**	**432**	**54**	**3**	**37**	**1**	**537**

* Includes only those persons with academic rank; does not include academic administrators.

Source: Office of the Vice President for Academic Affairs

FULL-TIME INSTRUCTIONAL FACULTY PROFILE BY UNIT* (As of June 1987)

DISTRIBUTION BY SEX, PERCENT TENURED, AND PERCENT DOCTORATES

UNIT	Total # M	Total # F	Professor M	Professor F	Associate Professor M	Associate Professor F	Assistant Professor M	Assistant Professor F	Instructor M	Instructor F	Percent Tenured	Percent Doctorates
College of Engineering												
Aerospace Engineering	23	--	16	--	5	--	2	--	--	--	56.5%	91.3%
Materials Engineering	9	--	6	--	1	--	2	--	--	--	55.6%	100.0%
Chemical Engineering	19	--	9	--	9	--	1	--	--	--	73.7%	94.7%
Civil Engineering	30	--	13	--	9	--	8	--	--	--	66.7%	100.0%
Electrical Engineering	51	--	24	--	12	--	15	--	--	--	56.9%	100.0%
Eng. Science and Mechanics	17	--	9	--	6	--	2	--	--	--	82.4%	94.1%
Industrial & Systems Eng.	35	3	14	--	13	--	8	3	--	--	60.5%	94.7%
Mechanical Engineering	39	2	16	--	9	--	14	2	--	--	48.8%	100.0%
Nuclear Engineering	12	--	9	--	2	--	1	--	--	--	75.0%	100.0%
Textile	10	--	3	--	4	--	3	--	--	--	60.0%	100.0%
College of Sciences and Liberal Studies												
Biology	13	--	1	--	9	--	3	--	--	--	53.8%	100.0%
Chemistry	27	--	22	--	2	--	3	--	--	--	77.8%	100.0%
English	14	12	4	3	7	5	3	4	--	--	73.1%	92.3%
Geophysical Sciences	15	--	9	--	5	--	1	--	--	--	73.3%	100.0%
Information & Computer Sys.	20	2	4	--	6	2	10	--	--	--	40.9%	95.5%
Mathematics	35	4	12	--	20	1	3	3	--	--	76.9%	92.3%
Modern Languages	3	4	--	--	2	1	1	3	--	--	71.4%	71.4%
Physical Ed. & Recreation	3	4	--	--	2	--	1	1	--	3	42.9%	28.6%
Physics	24	--	15	--	5	--	4	--	--	--	70.8%	100.0%
Psychology	11	--	6	--	4	--	1	--	--	--	54.5%	100.0%
Social Sciences	16	3	4	--	8	2	4	1	--	--	73.7%	94.7%
College of Architecture	31	4	9	--	14	3	8	1	--	--	57.1%	37.1%
College of Management	39	3	16	--	11	--	12	3	--	--	52.4%	97.6%
TOTAL FOR INSTITUTE	**496**	**41**	**221**	**3**	**165**	**14**	**110**	**21**	--	**3**	**62.8%**	**92.0%**
Percentage of Total	**92.4%**	**7.6%**	**41.2%**	**0.6%**	**30.7%**	**2.6%**	**20.5%**	**3.9%**	--	**0.6%**		

* Includes only those persons with academic rank; does not include academic administrators.

Source: Office of the Vice President for Academic Affairs

ACADEMIC FACULTY PROFILE BY POSITION CLASSIFICATION*
(As of June 1987)

DISTRIBUTION BY RANK

	Professor	*Associate Professor*	*Assistant Professor*	*Instructor*	*Total*
Full-Time Teaching Faculty	224	179	131	3	537
General Administrators	18	3	1	1	23
Academic Administrators	38	10	0	0	48
Librarians	1	4	2	0	7
On-Leave	5	5	4	0	14
Part-Time Faculty**	1	2	4	3	10
Total	**287**	**203**	**142**	**7**	**639**

DISTRIBUTION BY HIGHEST DEGREE

	Doctorate	*Ed. Spec.l Master's*	*Bachelor's*	*Total*
Full-Time Teaching Faculty	494	38	5	537
General Administrators	18	5	0	23
Academic Administrators	42	5	1	48
Librarians	0	7	0	7
On-Leave	12	2	0	14
Part-Time Faculty**	3	4	3	10
Total	**569**	**61**	**9**	**639**

DISTRIBUTION BY RACE AND SEX

	Black Male	*White Male*	*Other Male*	*Black Female*	*White Female*	*Other Female*	*Total*
Full-Time Teaching Faculty	10	432	54	3	37	1	537
General Administrators	0	17	0	0	6	0	23
Academic Administrators	0	43	2	1	2	0	48
Librarians	0	2	0	1	4	0	7
On-Leave	0	14	0	0	0	0	14
Part-Time Faculty**	0	7	0	0	3	0	10
Total	**10**	**506**	**56**	**5**	**50**	**1**	**639**

* 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 1987)

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	70	175	172	169	0	586
Full-Time Academic[a,e]	14	40	65	69	24	213
Part-Time GTRI[b]	10	11	3	8	1	33
Part-Time Academic[c]	1	4	0	2	0	7
Total[e]	**95**	**230**	**240**	**248**	**25**	**839**

DISTRIBUTION BY HIGHEST DEGREE

	Doctorate	First Profes-sional[f]	Ed. Spec./ Master's	Bachelor's	Other	No Degree	Total
Full-Time GTRI	103	2	282	189	5	5	586
Full-Time Academic[a,e]	85	5	61	52	5	5	213
Part-Time GTRI[b]	10	1	7	11	1	3	33
Part-Time Academic[c]	3	1	2	1	0	0	7
Total[e]	**201**	**9**	**352**	**253**	**11**	**13**	**839**

DISTRIBUTION BY RACE AND SEX

	Black Male	White Male	Other Male	Black Female	White Female	Other Female	Total
Full-Time GTRI	6	504	5	4	66	1	586
Full-Time Academic[a,e]	4	157	28	3	17	4	213
Part-Time GTRI[b]	0	28	4	0	1	0	33
Part-Time Academic[c]	1	4	2	0	0	0	7
Total[e]	**11**	**693**	**39**	**7**	**84**	**5**	**839**

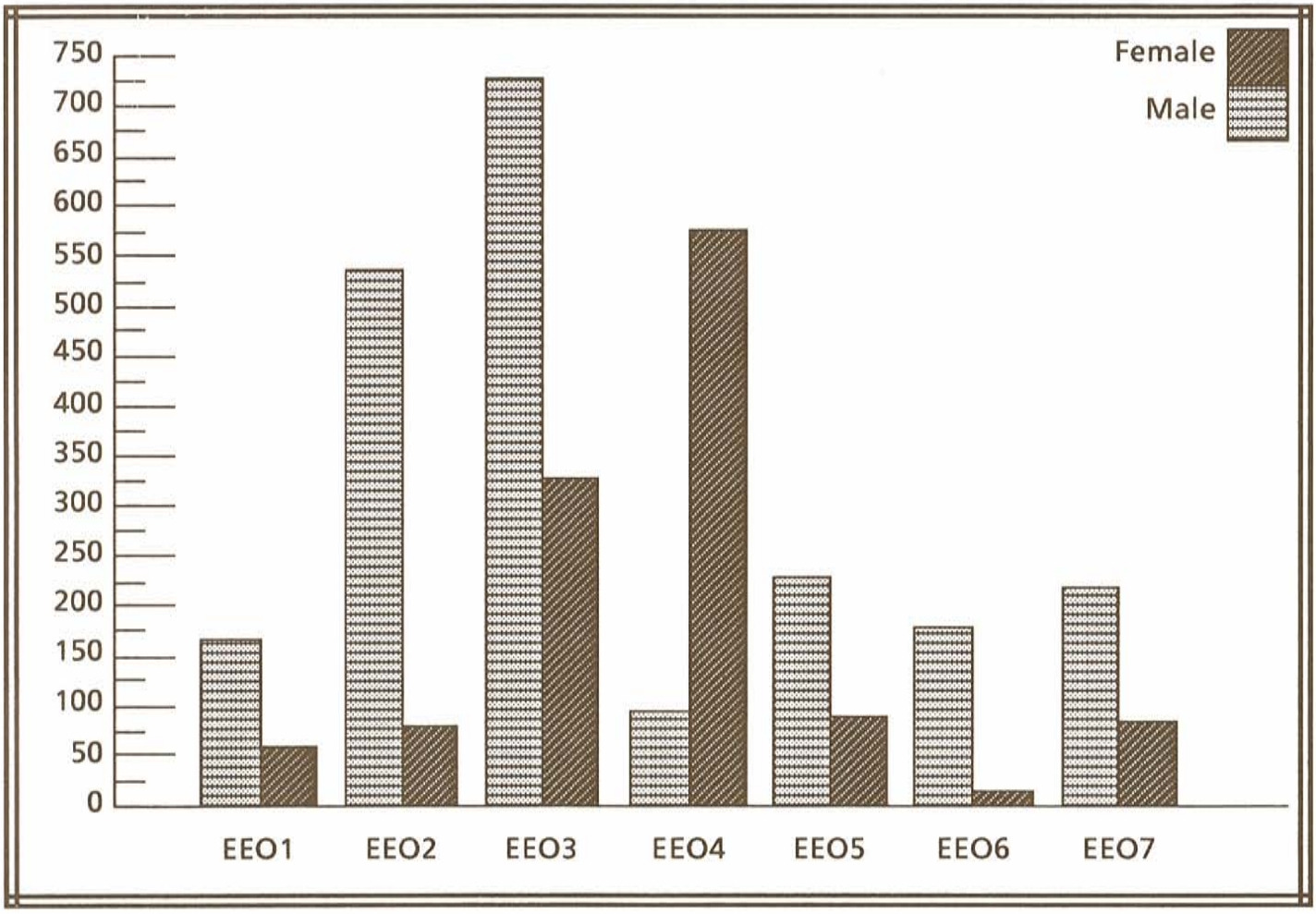
GRADUATE RESEARCH ASSISTANTS

Part-Time GTRI[b]	157
Part-Time Academic[c]	735
Total	**892**

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

Source: Office of the Vice President for Research

TOTAL EMPLOYEE PROFILE
(As of January 1987)



EEO Code	*Category*	*White* Male	Female	*Black* Male	Female	*Other*[a] Male	Female	*Total* Male	Female
1	Executive, Administrative, Managerial	158	54	11	6	0	1	169	61
2	Faculty-Academic[b]	485	73	8	7	45	2	538	82
3	Research Faculty & Other Professionals	692	279	22	46	16	3	730	328
4	Clerical and Secretarial	54	367	43	202	0	11	97	580
5	Technical and Para-Professional	210	82	11	6	8	2	229	90
6	Skilled Crafts	134	10	45	4	1	0	180	14
7	Service and Maintenance	48	15	169	70	3	0	220	85
	TOTAL	**1,781**	**880**	**309**	**341**	**73**	**19**	**2,163**	**1,240**

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

Source: *Work Force Analysis*

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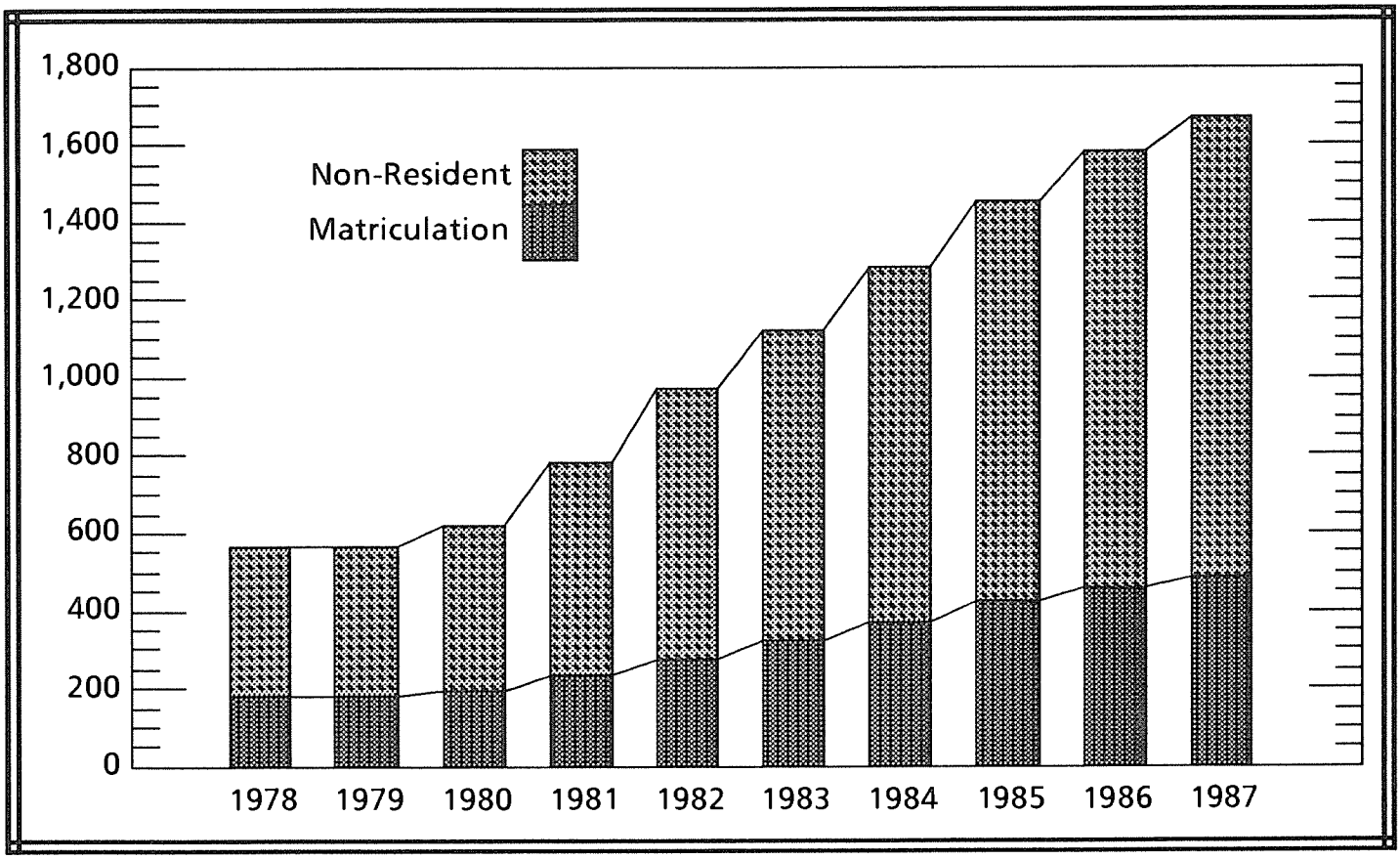
GENERAL INFORMATION

1987-88

Fact Book

MATRICULATION AND NON-RESIDENT TUITION FEES FOR FULL-TIME STUDENTS



MATRICULATION AND NON-RESIDENT TUITION FEES, Fall Quarters 1978-79 / 1987-88

Year	*Matriculation Fee (Resident & Non-Resident)*	*Non-Resident Tuition Fee*	*Total Non-Resident Fee (Matriculation & Tuition)*
1978-79	185	389	574
1979-80	185	389	574
1980-81	195	430	625
1981-82	236	550	786
1982-83	285	696	981
1983-84	328	800	1,128
1984-85	377	920	1,297
1985-86	424	1,035	1,459
1986-87	460	1,123	1,583
1987-88	487	1,187	1,674

ESTIMATED ACADEMIC YEAR COST (Fall, Winter, Spring Quarters)

	1984-85	*1985-86*	*1986-87*	*1987-88*
Matriculation (Full-Time Student)	$1,131.00	$1,272.00	$1,380.00	$1,461.00
Other Mandatory Fees:				
Student Activity	90.00	90.00	90.00	90.00
Student Athletic	75.00	75.00	75.00	87.00
Student Health	102.00	123.00	132.00	141.00
Transportation	18.00	27.00	27.00	27.00
Estimated Elective Charges:				
Dormitory Room Rent	1,155.00	1,230.00	1,353.00	1,440.00
Board (Estimate)	1,725.00	1,800.00	1,890.00	1,950.00
Miscellaneous (books, supplies, personal)	975.00	1,050.00	1,107.00	1,155.00
TOTAL ESTIMATED COST	*$5,271.00*	*$5,667.00*	*$6,054.00*	*$6,351.00*

Source: Office of the Vice President, Business and Finance

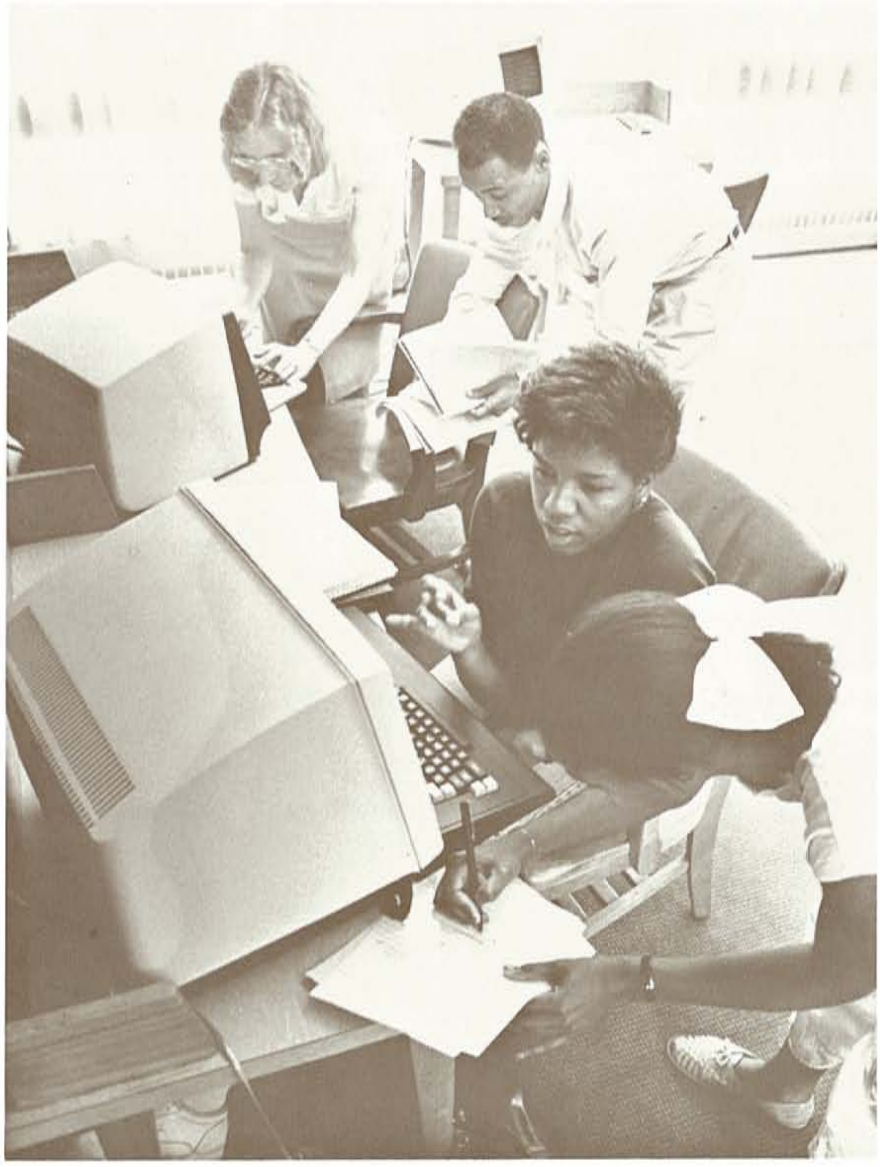
SQUARE FOOTAGE BY FUNCTIONAL AREA
FALL 1987

INSTRUCTION	
General Academic	***923,897***
ORGANIZED RESEARCH	
Research Center (GTRI)	421,684
Individual or Project Research	240,830
Total	***662,514***
PUBLIC SERVICE	
Community Education	***19,647***
ACADEMIC SUPPORT	
Libraries	140,576
Audio/Visual	3,315
Computing Support	19,599
Academic Administration & Personnel Development	13,519
Total	***177,009***
STUDENT SERVICES	
Social and Cultural Development	329,816
Counseling and Career Guidance	5,320
Student Support	780,010
Total	***1,115,146***
INSTITUTIONAL SUPPORT	
Executive Management	13,216
Fiscal Operations	28,307
General Administration Services	20,900
Logistical Services	21,581
Physical Plant Operations	75,122
Faculty and Staff Services	7,700
Community Relations	11,858
Total	***178,684***
INDEPENDENT OPERATIONS	
Outside Agencies	95,816
Investment Property	15,495
Total	***111,311***
UNASSIGNED	
Scheduled for Renovation	***89,076***
BUILDING SERVICES	
Circulation, Mechanical, Construction, Custodial	***1,701,388***
GRAND TOTAL	***4,978,672***

Source: Office of the Vice President for Facilities

LIBRARY

The Price Gilbert Memorial Library houses one of the nation's largest collections of scientific and technical information. It includes over 2,230,000 volumes and 2,000,000 technical reports, 680,000 government documents, and 148,000 maps. It is an official depository of the U.S. Government Printing Office and the U.S. Patent and Trademark Office.



The catalog record of the Library is online, as a part of its Online Information system (OIS), and is used by faculty, staff, and students through the campus computer network. The OIS also contains other databases, including indexes to the contents of journals and conference proceedings in subjects such as management and computing. This online access is complemented by a campus-wide delivery service of library materials for faculty and staff. Over 500 other commercial and government databases are used for literature searching, reference service and access to statistical information.

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

The Institute's membership in the University Center in Georgia allows access to and delivery of materials from thirteen other libraries in the area. There is a reciprocal borrowing agreement between Georgia Tech and Georgia State University. Tech students and faculty also may use the libraries of all other institutions in the University System.

The Library is a member of the Association of Research Libraries, the Center for Research Libraries, the Association for Library Information, 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.

Georgia Tech Bookstore

The Georgia Tech Bookstore is an institutionally owned and operated facility with a staff of thirty-five 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, school spirit items, clothing, and much more. Tenants in the mall include a travel agency, quick copy center, card and gift shop, hair styling center, computer store, and grocery 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.

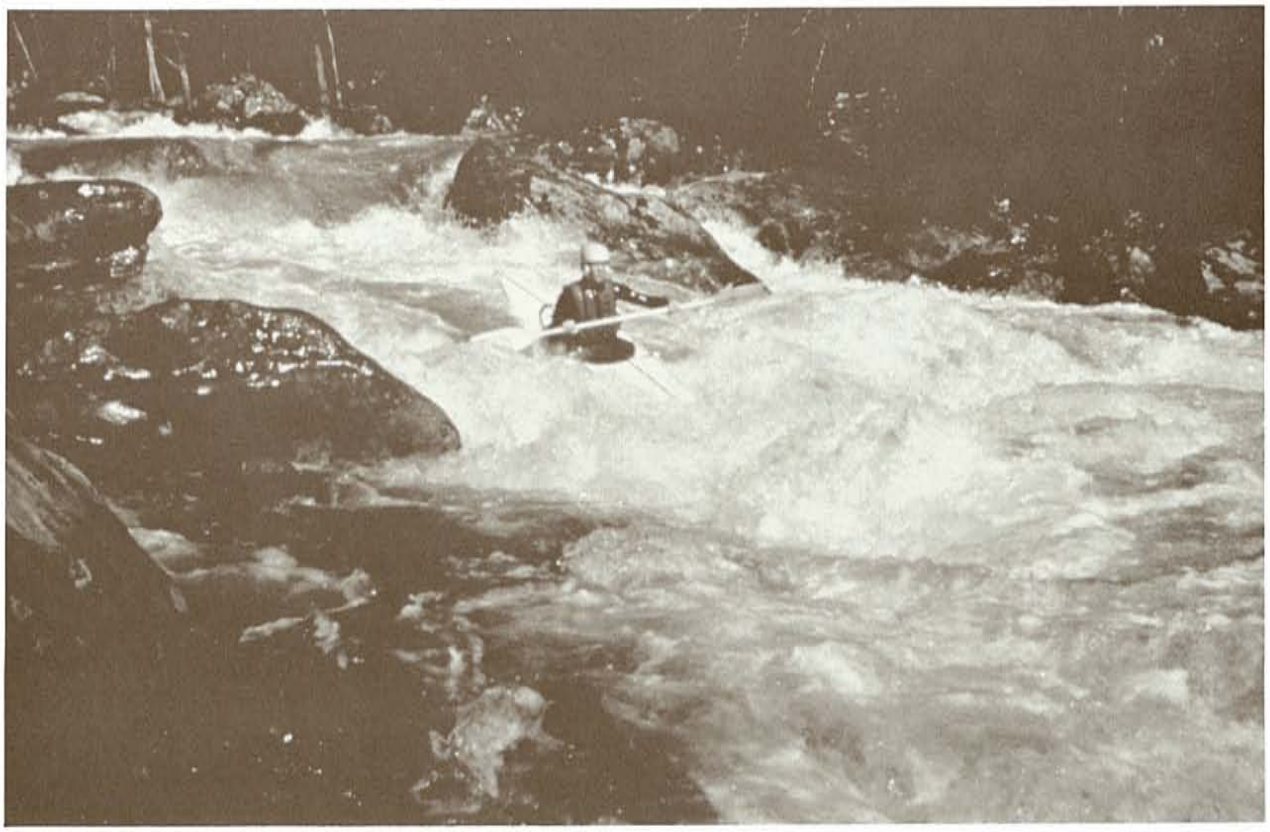
Student Organizations

Opportunities are provided for student participation in a variety of officially recognized groups. The Student Government Association provides thirteen committees for student involvement. Besides the traditional student newspaper, yearbook, and radio station, there are approximately twenty-three sports/recreation organizations; forty special interest groups; nineteen religious organizations; forty-three departmental, professional, and honor societies; thirteen social service organizations; twelve cultural organizations; and eleven national honor societies. Over 5,000 students are involved in one or more student organizations.

Handicapped Student Services

Georgia Tech, through the Division of Student Affairs, offers many services for handicapped students, including assistance with registration, accessibility, parking, transportation, housing, counseling, tutoring, and other personalized needs.

Source: 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	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: 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
Erato	To present to the Georgia Tech community art, poetry, prose, music, and photography
Georgia Tech Yellow Jacket Band	Performs at football games
Pep Band	Performs at basketball games
Concert Band	Light concert performances during winter and spring
Jazz Ensemble	Performance-oriented jazz group
The *Technique*	Student-run newspaper
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
Golden Key National Honor Society	Recognizes scholastic achievement and excellence in all undergraduate fields
Lambda Sigma	Alpha Kappa Chapter, promotes leadership, scholarship, and fellowship among sophomores
Omicron Delta Kappa	Alpha Eta Circle, promotes leadership
Order of Omega	Promotes leadership of fraternity and sorority members
Phi Eta Sigma	Freshman Honorary Society
Phi Kappa Phi	Recognizes superior scholarship in all fields of study
Tau Beta Pi Association	Georgia Alpha Chapter, honors academic achievements and exemplary character

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 and those professionals involved
American Institute of Chemical Engineers	Strives to build leadership and communication skills
American Institute of Industrial Engineers	Encourages industrial engineering awareness on campus and the professional development of industrial engineers
American Marketing Association	Fosters research in the field of marketing
American Nuclear Society	Provides a professional society dedicated to the discussion of policy issues affecting nuclear and radiation protection and other related issues
American Society of Civil Engineers	Provides professional, social, and academic development activities
ASHRAE	Science and professions relating to heating, refrigeration engineering
American Society of Mechanical Engineers	Opportunities and responsibilities of mechanical engineering
Arnold Air Society	Develops leadership and dedication in AFROTC cadets
Association for Computing Machinery	Promotes and increases knowledge of science, design, development, construction, languages, and applications 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
Honorary Accounting Organization	Recognizes excellence in the field of accountancy
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 the principles governing organized effort in industrial and economic life
Society of Automotive Engineers	Advances the arts, sciences, standards, and engineering practices connected with the design and utilization of self-propelled mechanisms, prime movers, and related equipment
Society of 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

CAMPUS ORGANIZATIONS

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
Freshman Council
Phi Psi Fraternity
Ramblin' Reck Club
Reckettes
"T" Club
Young Democrats of Georgia
World Student Fund

CULTURAL ORGANIZATIONS

Afro-American Association
Chinese Students' Club
French Club
Hellenic Society
India Club
International Folk Dancers
Korean Student Association
League of Latin American Citizens
Lebanon Club
Pakistan Student Organization
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
Unitarian Universalist Campus Ministry
Wesley Foundation
Worldwide Discipleship Association
Y.M.C.A.

SPECIAL INTERESTS ORGANIZATIONS

Ballet Club
College Bowl Team
Executive Round Table
Georgia Trail Railroad Club
Health Physics Society
Musicians Network
Objectivist Society
Ranger Company

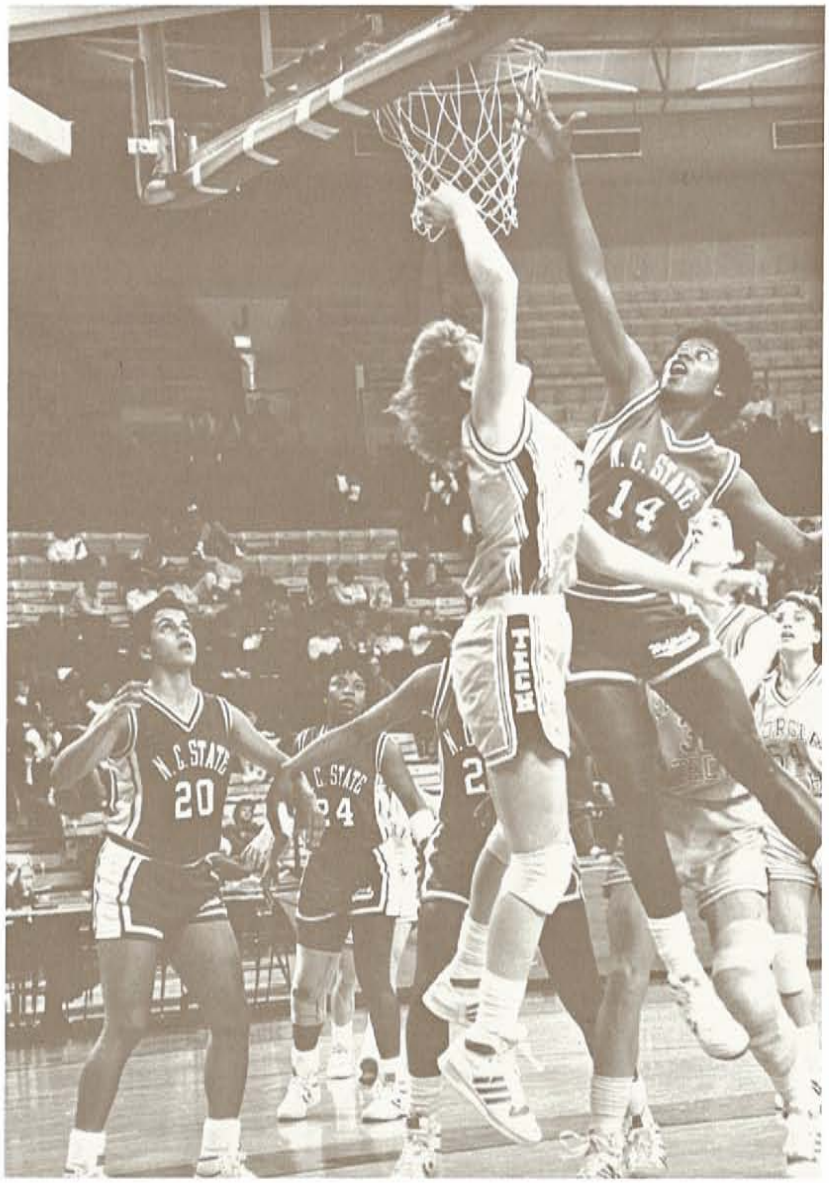
RECREATION CLUBS

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

SPORTS CLUBS

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

Source: Division of Student Affairs



Over the last eighty-four years, Tech has had only eight full-time head football coaches: John Heisman, Bill Alexander, Bobby Dodd, Bud Carson, Bill Fulcher, Pepper Rodgers, Bill Curry, and Bobby Ross.

The Tech football history 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 more than football, however, and many great names have made sports history at Georgia Tech--Bobby Jones and Larry Mize (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).

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

The Athletic Association

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

ATHLETIC ASSOCIATION

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 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. Academic 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, the James Luck, Jr. Building that houses basketball locker rooms, and the Russ Chandler Stadium for baseball, as well as the Bill Moore Tennis Complex (which features both indoor and outdoor courts) and the state-of-the-art George C. Griffin Track complex.

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

(1) to develop and maintain a competitive athletic program that can be a source of pride, and

(2) to allow members of these groups the opportunity to become involved in the program, whether as participants, contributors, or spectators.

THE ATHLETIC ASSOCIATION

Chairman: Dr. John Patrick Crecine
President

Vice-Chairman: Dr. William M. Sangster
Dean, College of Engineering

Faculty: Dr. Henry C. Bourne, Jr.
Vice-President for Academic Affairs
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

Alumni: Mr. Jim Thorne
Chamblee, Georgia
Mr. George H. Brodnax III
Atlanta, Georgia
Mr. Dan McKeever
Atlanta, Georgia

Students: Mr. Mark Pickens
Student-Athlete Representative
Ms. Sharon Just
Student Body President
Mr. Jim Anderson
Editor, the Technique

Honorary Members: Mr. R.H. Tharpe, Sr.
Atlanta, Georgia
Mr. Arthur Howell
Atlanta, Georgia

ATHLETIC ASSOCIATION

The Georgia Tech Athletic program includes sixteen intercollegiate athletic teams (nine men's and seven women's). During the 1987-88 school year, 322 student-athletes will compete in these sports:

Men's Teams	*Head Coaches*	*Number of Participants*
Baseball	Jim Morris	35
Basketball	Bobby Cremins	13
Cross Country	Steve Keith	7
Football	Bobby Ross	100
Golf	Puggy Blackmon	11
Tennis	Gery Groslimond	12
Track	Buddy Fowlkes	25
Wrestling	Lowell Lange	19
Indoor Track	Buddy Fowlkes	25

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

*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 nonprofit corporation that receives, administers, and distributes virtually all contributions made in support of the Georgia Institute of Technology. It has been certified by the Internal Revenue Service of the United States and the Department of National Revenue-Taxations of Canada as a tax-exempt organization.

The Board of Trustees of the Foundation is composed of thirty-nine 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. Sixteen 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.

Source: Office of the Vice President, Communications and Development

The fund balance of the Foundation as of 30 June 1987 was $57,563,065. The Foundation supports:

- 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

John E. Alderhold
President

J. Thomas Gresham
Vice President

Robert H. Ferst
Treasurer

John H. Weitnauer, Jr.
Assistant Treasurer

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

The Alumni Association publishes the *Georgia Tech Alumni Magazine* and *Tech Topics*, the alumni newspaper; organizes and supervises alumni clubs throughout the United States and in international locations; and designs and presents alumni programs, such as homecoming events, reunions, workshops, and seminars. Young alumni are encouraged to participate in the affairs of the Association and the Institute through campus programs, senior orientation, and the career advisory service for students. The Association maintains the official alumni (now over 74,000) statistical records and files. 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 a 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.

In addition to the *Alumni Placement Bulletin*, the Annual Career Conference and the Career Section in *Tech Topics* have aided alumni who are searching for employment. The Alumni Placement office also provides seminars on topics related to employment.

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

Lawton M. Nease III
President

Ben J. Dyer
Past President

Bobby Joe Anderson
President Elect/Treasurer

Oliver H. Sale, Jr.
Vice President Activities

Shirley Mewborn
Vice President Communications

John C. Slaton, Jr.
Vice President Roll Call

John B. Carter, Jr.
Vice President/Executive Director

P. Warren Heemann
Vice President

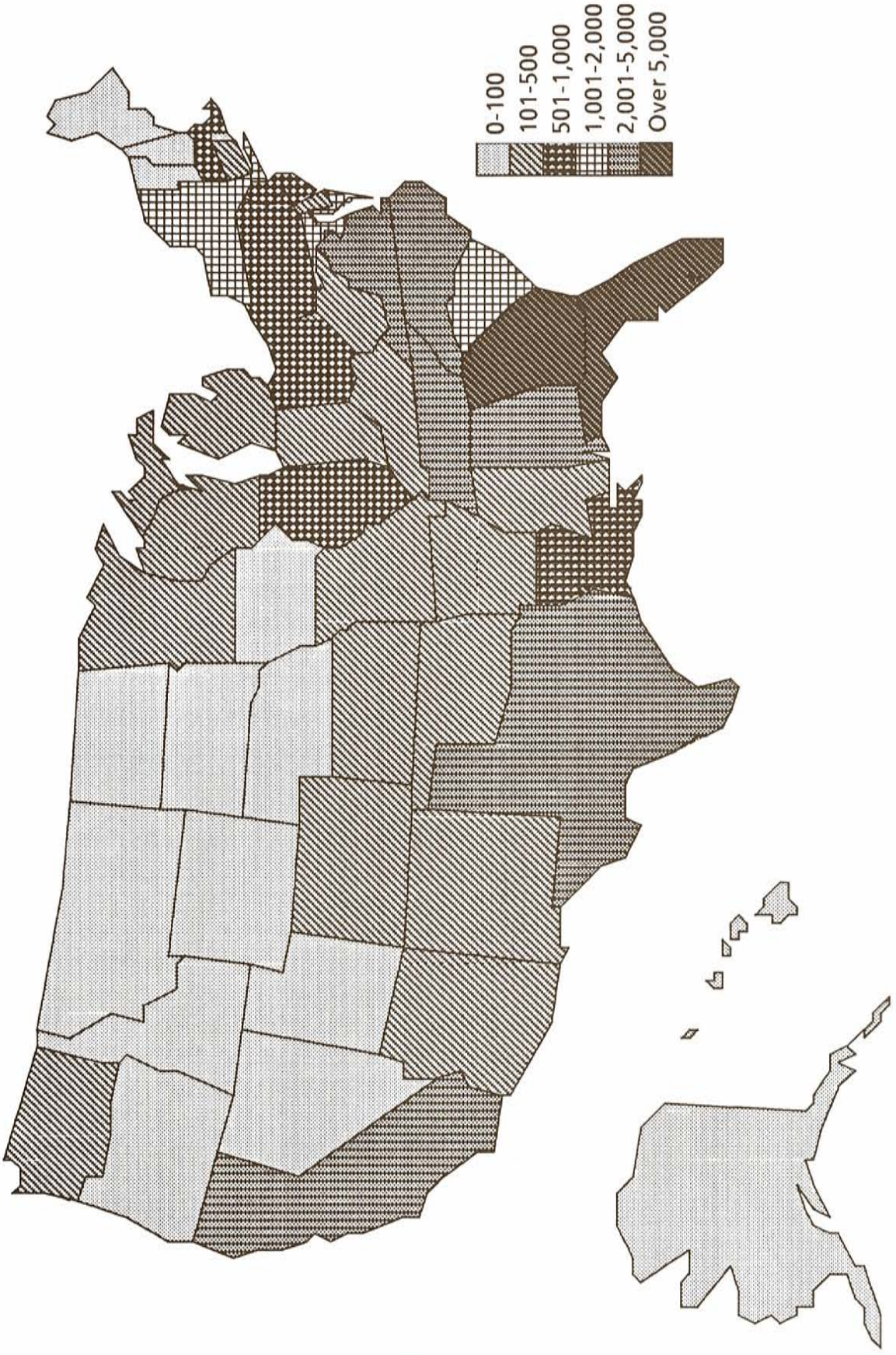
Source: Office of the Vice President and Executive Director, Alumni Association

EMPLOYERS OF FIFTY OR MORE GEORGIA TECH ALUMNI

EMPLOYER	*NUMBER*	*EMPLOYER*	*NUMBER*
U.S. Air Force	602	Tennessee Eastman Company	77
IBM Corporation	586	Boeing	75
Lockheed Georgia Company	543	Dow Chemical	75
Georgia Power Company	511	Shell Oil Company	74
E.I. Dupont	495	Eastern Airlines	74
U.S. Navy	402	Texas Instruments	72
General Electric Company	401	Ford Motor Company	72
U.S. Army	382	AT & T Technologies	72
Southern Bell T & T Company	279	Hughes Aircraft Company	71
Procter & Gamble	221	Honeywell Inc.	71
Delta Airlines	212	Exxon Corporation	71
Florida Power & Light Company	208	TRW Inc.	70
State of Georgia	193	Union Camp Corporation	66
NASA	191	Merrill Lynch P. F. S.	64
Westinghouse Electric	191	Lockheed Aircraft	63
Western Electric Company	151	C & S National Bank	60
General Dynamics	149	Georgia Tech Research Institute	59
Martin Marietta Corporation	146	Celanese Corporation	59
McDonnell Douglas	146	Babcock & Wilcox	58
Rockwell International	130	Atlanta Gas Light Company	58
General Motors	120	Trust Company Bank	57
Tennessee Valley Authority	119	Texaco Inc.	57
Coca-Cola Company	117	Southwire Company	56
Union Carbide Corporation	113	U.S. Marine Corps	55
Milliken & Company	109	Southern Railway	54
Scientific Atlanta	107	Burlington Industries	54
Southern Company Services	104	Hercules Inc.	54
Monsanto Company	102	Mobile Oil Corporation	53
Army Corps of Engineers	101	RCA	52
Hewlett-Packard Company	101	Unisys	52
Duke Power Company	99	Bell Telephone Labs	51
Arthur Andersen & Company	99	Alcoa	51
Kimberly Clark Corporation	98	Warner Robins A. L. C.	50
Pratt & Whitney Aircraft	98	AT & T Bell Labs	50
U.S. Government	97	Reynolds Metals Company	50
Harris Corporation	95		
Motorola Inc.	77		

Source: Office of the Director, Alumni Association

GEOGRAPHICAL DISTRIBUTION OF ALUMNI



ALUMNI PROFILE

*GEOGRAPHICAL DISTRIBUTION OF ALUMNI**

(As of July 1987)

STATE	*NUMBER*	*STATE*	*NUMBER*	*STATE*	*NUMBER*
Alabama	2,305	Maine	41	Pennsylvania	789
Alaska	41	Maryland	1,099	Rhode Island	51
Arizona	284	Massachusetts	539	South Carolina	1,831
Arkansas	176	Michigan	336	South Dakota	9
California	2,522	Minnesota	110	Tennessee	2,007
Colorado	394	Mississippi	411	Texas	2,589
Connecticut	455	Missouri	368	Utah	43
Delaware	218	Montana	12	Vermont	32
District of Columbia	139	Nebraska	45	Virginia	2,101
Florida	5,295	Nevada	48	Washington	301
Georgia	25,378	New Hampshire	78	West Virginia	120
Hawaii	74	New Jersey	912	Wisconsin	114
Idaho	35	New Mexico	127	Wyoming	20
Illinois	563	New York	1,177		
Indiana	230	North Carolina	2,123		
Iowa	52	North Dakota	9		
Kansas	125	Ohio	841		
Kentucky	382	Oklahoma	177	Canada	48
Louisiana	748	Oregon	74	Mexico	84

TOTAL COUNTED 57,812

*NUMBERS OF LIVING ALUMNI BY CLASS YEAR**

YEAR	*NUMBER OF ALUMNI*	*YEAR*	*NUMBER OF ALUMNI*	*YEAR*	*NUMBER OF ALUMNI*
1910	2	1936	197	1962	987
1911	0	1937	180	1963	857
1912	5	1938	263	1964	999
1913	8	1939	283	1965	1016
1914	6	1940	298	1966	955
1915	8	1941	343	1967	1,053
1916	4	1942	377	1968	1,254
1917	12	1943	471	1969	1,349
1918	9	1944	178	1970	1,719
1919	11	1945	206	1971	1,553
1920	18	1946	259	1972	1,523
1921	34	1947	515	1973	1,555
1922	48	1948	668	1974	1,596
1923	78	1949	929	1975	1,403
1924	68	1950	1,232	1976	1,502
1925	84	1951	1,016	1977	1,548
1926	114	1952	789	1978	1,619
1927	105	1953	696	1979	1,828
1928	131	1954	633	1980	1,990
1929	136	1955	637	1981	2,231
1930	160	1956	728	1982	2,260
1931	178	1957	898	1983	2,184
1932	235	1958	980	1984	2,200
1933	242	1959	1,029	1985	2,285
1934	249	1960	1,060	1986	2,265
1935	205	1961	934	1987 (to date)	375

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

Source: Office of the Director, Alumni Association

A SELECTED LIST OF COMPANIES WHOSE CHIEF EXECUTIVE OFFICERS OR VICE PRESIDENTS ARE GEORGIA TECH ALUMNI

Aderhold Construction Company
Allied Corporation
Alcoa
ARA Services Inc.
Avon Products Inc.
Atlanta Gas Light Company
AT & T Communications
AT & T Technologies
Bache Enterprises
Bank of Florida
Barnett Bank
Bellsouth Systems Technologies
Berry College
Blue Cross/Blue Shield
Boeing
Boomershine Pontiac
Bradbury & Associates
Cable News Network
C. Buck LeCraw & Company
Century 21
C & S National Bank
Coca-Cola Company
Coca-Cola Bottling Company
Conoco Inc.
Dart Industries Inc.
Days Inns of America
Dean Witter Reynolds
Delta Airlines
Dow Chemical
Dow Corning Corporation
Eastern Airlines
Eastman Kodak Company
E. F. Hutton & Company Inc.
E. F. Hutton P.R. Inc.
E.I. Dupont
Equitable Life Assurance
E-Tech Inc.
Exxon Chemical Company
Federal Reserve Bank
First National Bank
Florida Power & Light Company
Georgia Kaolin Company
Georgia Steel Inc.
Georgia Power Company
Gold Kist Incorporated
Golden Flake Inc.
Great Dane Trailers
Hanes Hosiery Inc.
Harris Corporation
Hayes Microcomputer
HBO & Company
Heery & Heery Architects
Hickoks Sporting Goods
Holiday Inns Inc.
Honeywell Inc.
IBM Corporation
Ivan Allen Company
Kimberly Clark Corporation
Krispy Kreme Donuts
Lockheed Corporation
Lockheed Georgia Company
Lockwood Greene Engineering
Lockwood Greene International
Lord and Sargent
McDonnell Douglas
Maier & Berkele Inc.
Martin Marietta Corporation
Martin Marietta Aggr.
Mason Homes
Mead Packaging
Memphis State University
Merrill Lynch P.F.S.
Microdynamics Corporation
Millidyne
Milliken & Company
Monsanto Company
Mori Luggage & Gifts
Motorola Inc.
Nabisco
New York Medical College
PaineWebber Inc.
Peachtree Software
Petroleum Chemical Corporation
Phillips Petroleum Company
Pratt & Whitney Aircraft
Prudential Bache Securities
Rayloc Division, General Parts
Remco Inc.
Robinson Humphrey
Rockwell International
Russell Corporation
Scientific Atlanta
Singer Company
Sony Corporation of America
Southern Bell T & T Company
Southwire Company
Spectrum Computer Services
Sunbelt Investment Properties
Teledyne Architects
Teledyne Cme
Tennessee Valley Electric Supply
Timex Corporation
Tri-Chem Corporation
Tri-City Enterprises
Tri State Utility Products
Trust Company Bank
Tupperware
Turner Broadcasting
T. W. Oil Inc.
Union Carbide Corporation
Union Pacific Railroad
United Technologies
Universal Steel
University of Florida
U.S. Steel
Virginia Electric & Power Company
Vulcan Corporation
Waffle House Inc.
Wake Forest University
WCNN Radio
Western Electric Company
West Point Pepperell

Source: Office of the Director, Alumni Association

EDUCATION EXTENSION SERVICES

Georgia Tech Education Extension Services (GTEES) represents the education extension arm of Georgia Tech. It is responsible for all noncredit, 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, Education Extension is transmitted by communication satellite to all the Association for Media Based Continuing Engineering Education (AMCEE) noncredit 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, West Germany, 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.

GTEES 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.

Education Extension's area of activities are continuing to expand to meet public and private needs and include:

- **Microcomputer Training Facility**--Offerings range from introductory to applied computer related courses and are available to the public and private sector on a noncredit basis.
- **Language Institute**--Intensive English noncredit courses are offered quarterly for more than 150 foreign students from thirty-eight different countries.
- **Institute for Planning/Operational Analysis**--This institute is a focal point and catalyst for military education activities.
- **Video-Based Instruction**--"Live" workshops are taped as they occur or are developed especially for videotape. Both credit and noncredit options are available by videotape or transmitted via satellite.

Through the public service activities of Education Extension, 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.

Source: Office of the Associate Vice President for Academic Affairs and Director, Education Extension Services

EDUCATION EXTENSION SERVICES

PROGRAM INFORMATION*

Number of:	*1982-83*	*1983-84*	*1984-85*	*1985-86*	*1986-87*
Programs	221	221	296	516	777
Participants	6,039	6,976	8,103	11,347	13,662
States Represented**	48	50	51	53	53
International Participants	580	392	652	511	644
Georgia Residents	3,089	3,331	3,454	5,494	6,634
Georgia Counties Represented	98	119	108	119	137
Institutional Continuing Education Units (CEU's)	25,627	19,983	24,008	26,194	29,645

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

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

Source: Office of the Associate Vice President for Academic Affairs and Director, Education Extension Services

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 GTRI's Economic Development Laboratory (see page 108). 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

	1982-83	*1983-84*	*1984-85*	*1985-86*	*1986-87*
Number of Classes	160	118	124	147	124
Number of Students Enrolled	4,223	2,430	2,293	2,212	2,260
Number of Participating Companies	69	46	54	52	53
Total Pupil Hours	40,137	23,169	22,893	27,436	28,024

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;
- Taping classes for professors at their request;
- 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;
- Conducting studies designed to provide information relating to instructional quality and its improvement, and distributing reports to those persons concerned with specific topics;
- Sponsoring the faculty Toastmasters chapter.

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 Administrative Advisory Committee on Information Technology. The Vice President for Academic Affairs is the chairman of the committee.

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)

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

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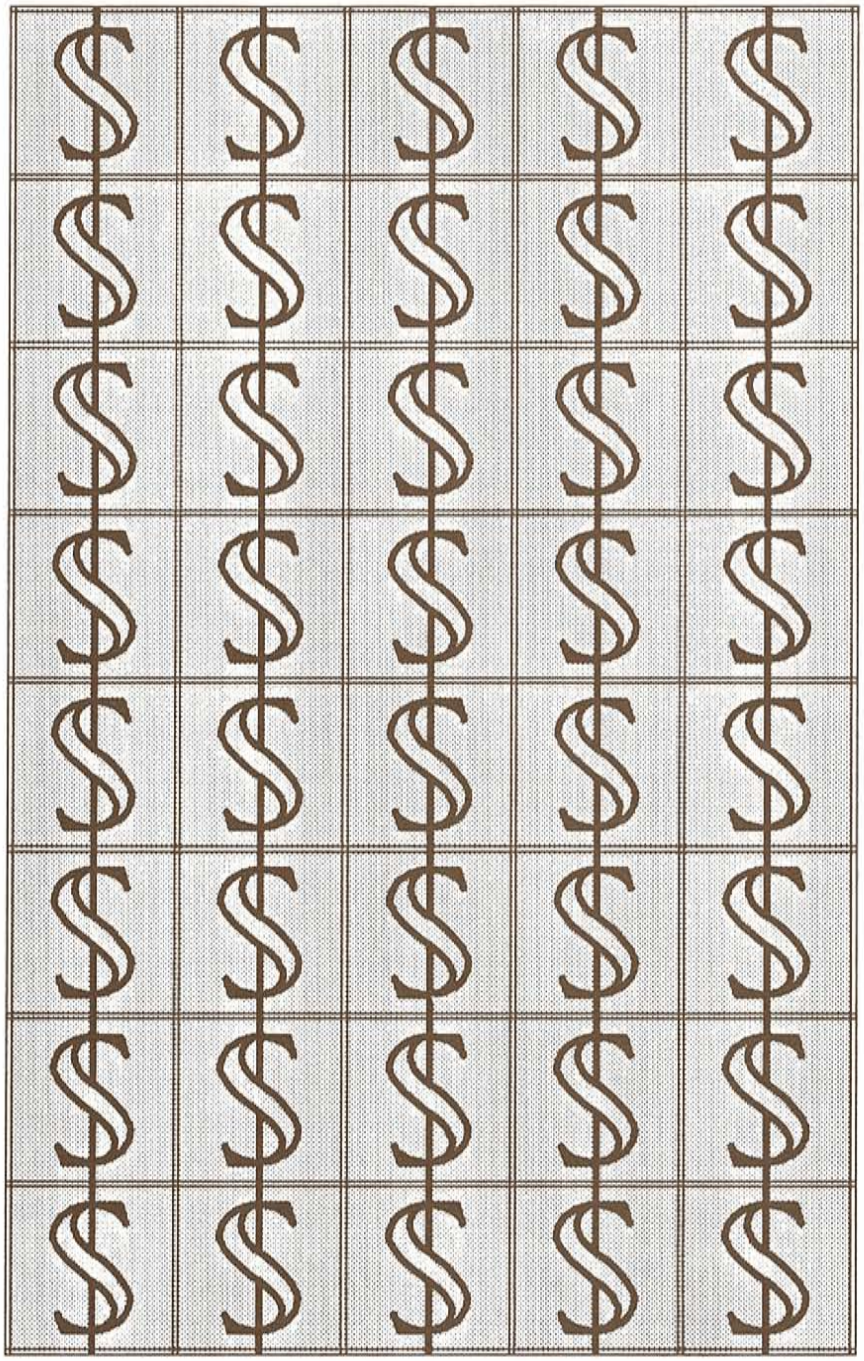
FINANCES

1987-88

Fact Book



FINANCIAL DATA--REVENUES

REVENUE BY SOURCE

	FY 1982-83	*FY 1983-84*	*FY 1984-85*	*FY 1985-86*	*FY 1986-87*
STUDENT TUITION & FEES					
Resident Instruction	$18,733,868	$19,859,392	$22,300,507	$25,329,590	$28,430,159
Eng Ext Division	1,287,702	1,599,587	1,895,489	3,066,656	3,510,774
Total	**$20,021,570**	**$21,458,979**	**$24,195,996**	**$28,396,246**	**$31,940,933**
ENDOWMENT INCOME					
Resident Instruction	$225,656	$521,000	$195,015	$37,252	$47,000
Ga Tech Research Inst	--	--	--	--	--
Unexp Plant Funds	1,399,933	868,246	1,344,222	849,604	646,369
Total	**$1,625,589**	**$1,389,246**	**$1,539,237**	**$886,856**	**$693,369**
GIFTS & GRANTS					
Resident Instruction	$449,123	$197,116	$232,669	$166,982	$97,876
Eng Ext Division	74,828	69,325	85,685	85,042	--
Ga Tech Research Inst	--	--	--	--	92,889
Unexp Plant Funds	327,876	353,469	1,920,450	58,956	1,197,255
Total	**$851,827**	**$619,910**	**$2,238,804**	**$310,980**	**$1,388,020**
INDIRECT COST RECOVERIES					
Resident Instruction	$4,310,044	$4,729,699	$5,247,619	$7,223,952	$7,907,130
Ga Tech Research Inst	10,956,710	12,233,197	13,295,037	16,058,728	14,734,926
Adv Tech Dev Center	35,041	13,050	35,549	18,765	16,444
Eng Ext Division	--	--	--	--	28,882
Center for Rehab Tech	--	--	--	--	1,754
Total	**$15,301,795**	**$16,975,946**	**$18,578,205**	**$23,301,445**	**$22,689,136**
OTHER SOURCES					
Resident Instruction	$663,727	$686,901	$619,294	$675,632	$686,126
Eng Ext Division	(1,384)	1,247	23,675	4,753	465
Ga Tech Research Inst	2,351,157	2,644,290	3,383,322	2,095,903	2,993,094
Adv Tech Dev Center	--	17,096	1,441	4,023	6,513
Center for Rehab Tech	--	--	--	--	1,931
Unexp Plant Funds	1,206,101	1,286,352	3,642,175	1,978,217	2,726,609
Total	**$4,219,601**	**$4,635,886**	**$7,669,907**	**$4,758,528**	**$6,414,738**
STATE APPROPRIATION					
Resident Instruction	$38,237,100	$45,898,963	$52,631,229	$57,057,829	$61,943,256
Eng Ext Division	507,829	628,382	681,898	930,260	537,115
Ga Tech Research Inst	4,713,895	5,989,241	6,720,329	7,690,274	8,880,861
Agricultural Research	420,887	487,705	569,269	747,086	913,717
Adv Tech Dev Center	409,557	581,611	811,864	874,054	1,018,518
Center for Rehab Tech	--	--	--	356,175	631,152
Unexp Plant Funds	--	650,000	500,000	654,415	377,763
Total	**$44,289,268**	**$54,235,902**	**$61,914,589**	**$68,310,093**	**$74,302,382**

FINANCIAL DATA--REVENUES

REVENUE BY SOURCE

	FY 1982-83	*FY 1983-84*	*FY 1984-85*	*FY 1985-86*	*FY 1986-87*
SPONSORED OPERATIONS					
Resident Instruction	$17,723,001	$21,771,052	$22,133,359	$28,099,493	$31,544,886
Eng Ext Division	--	4,676	29,555	15,730	200,050
Ga Tech Research Inst	34,836,734	36,544,998	35,342,783	36,772,843	44,356,245
Adv Tech Dev Center	95,458	34,840	80,861	38,096	34,202
Center for Rehab Tech	--	--	--	373	84,178
Total	**$52,655,193**	**$58,355,566**	**$57,586,558**	**$64,926,535**	**$76,219,561**
SCHOLAR & FELLOW--RI	$3,664,552	$3,995,958	$4,273,163	$4,160,507	$4,037,239
AUXILIARY ENTERPRISES	$13,763,106	$14,898,559	$17,538,743	$19,482,985	$22,929,471
GA TECH ATHLETIC ASSN	$5,095,414	$6,508,000	$7,843,968	$9,154,662	$9,831,973
STUDENT ACTIVITIES	$1,205,327	$1,216,970	$1,326,200	$1,347,282	$1,401,540
GA TECH FOUND, INC	$4,991,457	$4,850,417	$4,787,477	$5,098,663	$5,699,444
GA TECH RESEARCH CORP	$3,927,133	$4,392,000	$4,449,361	$3,869,052	$2,020,503
TOTAL REVENUE					
Resident Instruction	$84,007,071	$97,660,081	$107,632,855	$122,751,237	$134,693,672
Ga Tech Research Inst	52,858,496	57,411,726	58,741,471	62,617,748	71,058,015
Eng Ext Division	1,868,975	2,303,217	2,716,302	4,102,441	4,277,286
Agricultural Research	420,887	487,705	569,269	747,086	913,717
Adv Tech Dev Center	540,056	646,597	929,715	934,938	1,075,677
Center for Rehab Tech	--	--	--	356,548	719,015
Auxiliary Enterprises	13,763,106	14,898,559	17,538,743	19,482,985	22,929,471
Ga Tech Athletic Assn	5,095,414	6,508,000	7,843,968	9,154,662	9,831,973
Student Activities	1,205,327	1,216,970	1,326,200	1,347,282	1,401,540
Ga Tech Found, Inc	4,991,457	4,850,417	4,787,477	5,098,663	5,699,444
Ga Tech Research Corp	3,927,133	4,392,000	4,449,361	3,869,052	2,020,503
Unexp Plant Funds	2,933,910	3,158,067	7,406,847	3,541,192	4,947,996
TOTAL	**$171,611,832**	**$193,533,339**	**$213,942,208**	**$234,003,834**	**$259,568,309**

Source: Office of the Vice President, Business and Finance

EXPENDITURES BY BUDGETARY FUNCTION

	FY 1982-83	*FY 1983-84*	*FY 1984-85*	*FY 1985-86*	*FY 1986-87*
INSTRUCTION					
Resident Instruction					
State	$24,112,871	$25,997,299	$28,072,207	$36,738,836	$41,459,466
Sponsored	2,645,470	3,474,282	3,611,054	4,500,452	5,199,546
Total Resident Instr	$26,758,341	$29,471,581	$31,683,261	$41,239,288	$46,659,012
Eng Ext Division					
State	$1,721,104	$2,065,965	$2,409,499	$3,915,231	$3,980,135
Sponsored	--	--	--	15,730	200,050
Total Eng Ext Division	$1,721,104	$2,065,965	$2,409,499	$3,930,961	$4,180,185
Total Instruction	**$28,479,445**	**$31,537,546**	**$34,092,760**	**$45,170,249**	**$50,839,197**
RESEARCH					
Resident Instruction					
State	$7,704,205	$8,009,650	$9,802,907	$14,289,574	$14,675,370
Sponsored	14,591,813	17,592,692	17,642,552	21,200,540	21,223,625
Total Resident Instr	$22,296,018	$25,602,342	$27,445,459	$35,490,114	$35,898,995
Ga Tech Research Inst					
State	$14,465,468	$15,627,304	$17,296,570	$21,081,359	$20,623,494
Sponsored	34,836,734	36,537,223	35,332,522	36,765,918	44,356,245
Total GT Research Inst	$49,302,202	$52,164,527	$52,629,092	$57,847,277	$64,979,739
Agricultural Research					
State	$391,780	$412,762	$478,197	$746,580	$911,680
Eng Ext Division					
State	--	--	--	$75,802	--
Sponsored	--	4,676	29,555	--	--
Total Eng Ext Division	$0	$4,676	$29,555	$75,802	$0
Adv Tech Dev Center					
Sponsored	--	--	--	--	--
Center for Rehab Tech					
Sponsored	--	--	--	--	$3,028
Total Research	**$71,990,000**	**$78,184,307**	**$80,582,303**	**$94,159,773**	**$101,793,442**
PUBLIC SERVICE					
Resident Instruction					
State	--	--	--	$6,005	--
Sponsored	--	--	--	1,109,071	1,431,971
Total Resident Instr	$0	$0	$0	$1,115,076	$1,431,971
Ga Tech Research Inst					
State	--	--	--	--	$419,550
Sponsored	--	--	--	--	--
Total GT Research Inst	$0	$0	$0	$0	$419,550
Adv Tech Dev Center					
State	$408,049	$505,207	$633,763	$703,860	$806,751
Sponsored	95,458	34,840	80,861	38,096	34,202
Total ATDC	$503,507	$540,047	$714,624	$741,956	$840,953
Center for Rehab Tech					
State	--	--	--	$355,449	$630,031
Sponsored	--	--	--	373	81,150
Total CRT	$0	$0	$0	355,822	$711,181
Total Public Service	**$503,507**	**$540,047**	**$714,624**	**$2,212,854**	**$3,403,655**

FINANCIAL DATA--EXPENDITURES

EXPENDITURES BY BUDGETARY FUNCTION

	FY 1982-83	*FY 1983-84*	*FY 1984-85*	*FY 1985-86*	*FY 1986-87*
ACADEMIC SUPPORT					
Resident Instruction					
State	$8,713,150	$9,064,318	$10,586,891	$13,413,184	$13,147,734
Sponsored	--	--	--	178,232	2,443,148
Total Academic Support	**$8,713,150**	**$9,064,318**	**$10,586,891**	**$13,591,416**	$15,590,882
STUDENT SERVICES					
Resident Instruction					
State	$1,886,001	$1,966,197	$2,115,323	$2,802,103	$2,966,320
Sponsored	22,144	31,375	21,935	6,687	26,262
Total Student Services	**$1,908,145**	**$1,997,572**	**$2,137,258**	**$2,808,790**	**$2,992,582**
INSTITUTIONAL SUPPORT					
Resident Instruction					
State	$10,901,814	$17,735,801	$19,122,835	$11,708,300	$13,724,299
Sponsored	431,400	663,944	850,921	1,104,511	1,220,334
Total Resident Instr	$11,333,214	$18,399,745	$19,973,756	$12,812,811	$14,944,633
Eng Ext Division					
State	$96,116	$179,730	$205,296	$21,178	$21,372
Ga Tech Research Inst					
State	$2,216,301	$3,815,369	$4,105,337	$2,674,522	$3,153,755
Agricultural Research					
State	$29,217	$74,957	$91,072	--	$843
Adv Tech Dev Center					
State	$24,754	$64,564	$96,673	$30,020	$52,900
Center for Rehab Tech					
State	--	--	--	--	$1,727
Total Institutional Support	**$13,699,602**	**$22,534,365**	**$24,472,134**	**$15,538,531**	**$18,175,230**
OPERATION OF PLANT					
Resident Instruction					
State	$9,437,747	$9,072,581	$11,585,906	$11,707,214	$13,097,196
Sponsored	432,174	8,759	6,897	--	--
Total Resident Instr	$9,469,921	$9,081,340	$11,592,803	$11,707,214	$13,097,196
Eng Ext Division					
State	$48,538	$49,244	$72,489	$74,500	$61,996
Ga Tech Research Inst					
State	$1,366,974	$1,473,448	$2,047,848	$2,171,573	$2,570,261
Sponsored	--	7,775	10,261	6,925	--
Total GT Research Inst	$1,366,974	$1,481,223	$2,058,109	$2,178,498	$2,570,261
Agricultural Research					
State	--	--	--	$506	$1,194
Adv Tech Dev Center					
State	$11,633	$40,688	$122,624	$162,760	$178,830
Total Operation of Plant	**$10,897,066**	**$10,652,495**	**$13,846,025**	**$14,123,478**	**$15,909,477**
SCHOLAR & FELLOW--RI	$3,664,552	$3,995,958	$4,273,163	$4,160,507	$4,037,239

FINANCIAL DATA--EXPENDITURES

EXPENDITURES BY BUDGETARY FUNCTION

	FY 1982-83	*FY 1983-84*	*FY 1984-85*	*FY 1985-86*	*FY 1986-87*
AUXILIARY ENTERPRISES	$13,102,308	$14,002,097	$16,258,505	$16,763,038	$19,293,927
GA TECH ATHLETIC ASSN	$5,095,414	$6,508,000	$7,843,968	$8,917,309	$9,764,937
STUDENT ACTIVITIES	$1,124,592	$1,245,652	$1,286,869	$1,296,050	$1,450,273
GA TECH FOUND, INC	$4,991,457	$4,850,417	$4,787,477	$5,098,663	$5,699,444
GA TECH RESEARCH CORP	$3,927,133	$4,392,000	$4,449,361	$3,869,052	$2,020,503
UNEXP PLANT FUNDS	$2,935,153	$3,158,067	$7,407,171	$3,541,192	$4,947,996
GRAND TOTAL					
Resident Instruction					
State	$62,755,788	$71,845,846	$81,286,069	$90,665,216	$99,070,385
Sponsored	17,723,001	21,771,052	22,133,359	28,099,493	31,544,886
Scholar & Fellow	3,664,552	3,995,958	4,273,163	4,160,507	4,037,239
Total Resident Instr	$84,143,341	$97,612,856	$107,692,591	$122,925,216	$134,652,510
Eng Ext Division	1,865,758	2,299,615	2,716,839	4,102,441	4,263,553
Ga Tech Research Inst	52,885,477	57,461,119	58,792,538	62,700,297	71,123,305
Agricultural Research	420,997	487,719	569,269	747,086	913,717
Adv Tech Dev Center	539,894	645,299	933,921	934,736	1,072,683
Center for Rehab Tech	--	--	--	355,822	715,936
Auxiliary Enterprises	13,102,308	14,002,097	16,258,505	16,763,038	19,293,927
Ga Tech Athletic Assn	5,095,414	6,508,000	7,843,968	8,917,309	9,764,937
Student Activities	1,124,592	1,245,652	1,286,869	1,296,050	1,450,273
Ga Tech Found, Inc.	4,991,457	4,850,417	4,787,477	5,098,663	5,699,444
Ga Tech Research Corp	3,927,133	4,392,000	4,449,361	3,869,052	2,020,503
Unexp Plant Fund	2,935,153	3,158,067	7,407,171	3,541,192	4,947,996
TOTAL	**$171,031,524**	**$192,662,841**	**$212,738,509**	**$231,250,902**	**$255,918,784**

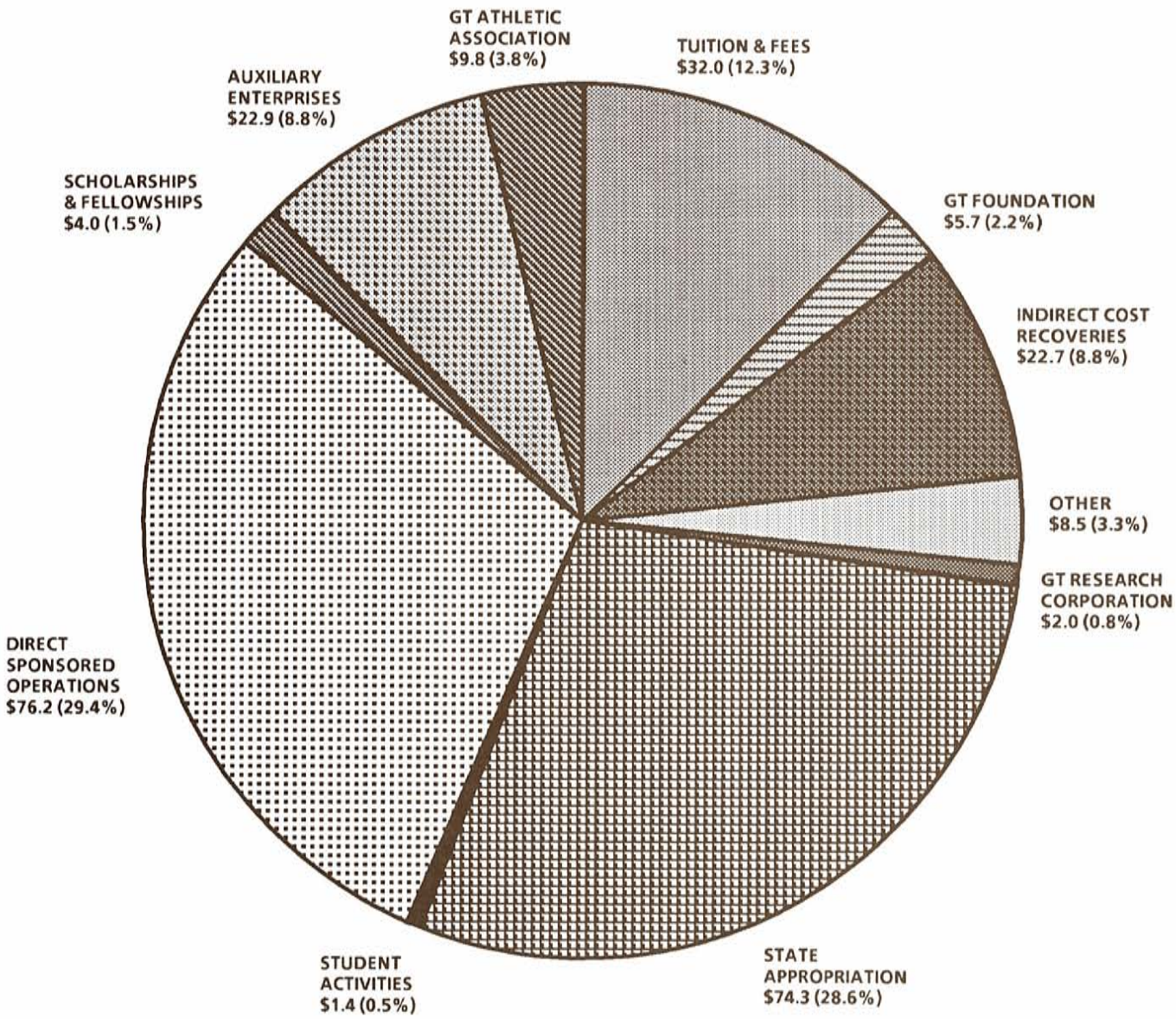
NOTE:

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

*CONSOLIDATED REVENUE BY SOURCE FISCAL YEAR 1986-87: $259.5 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

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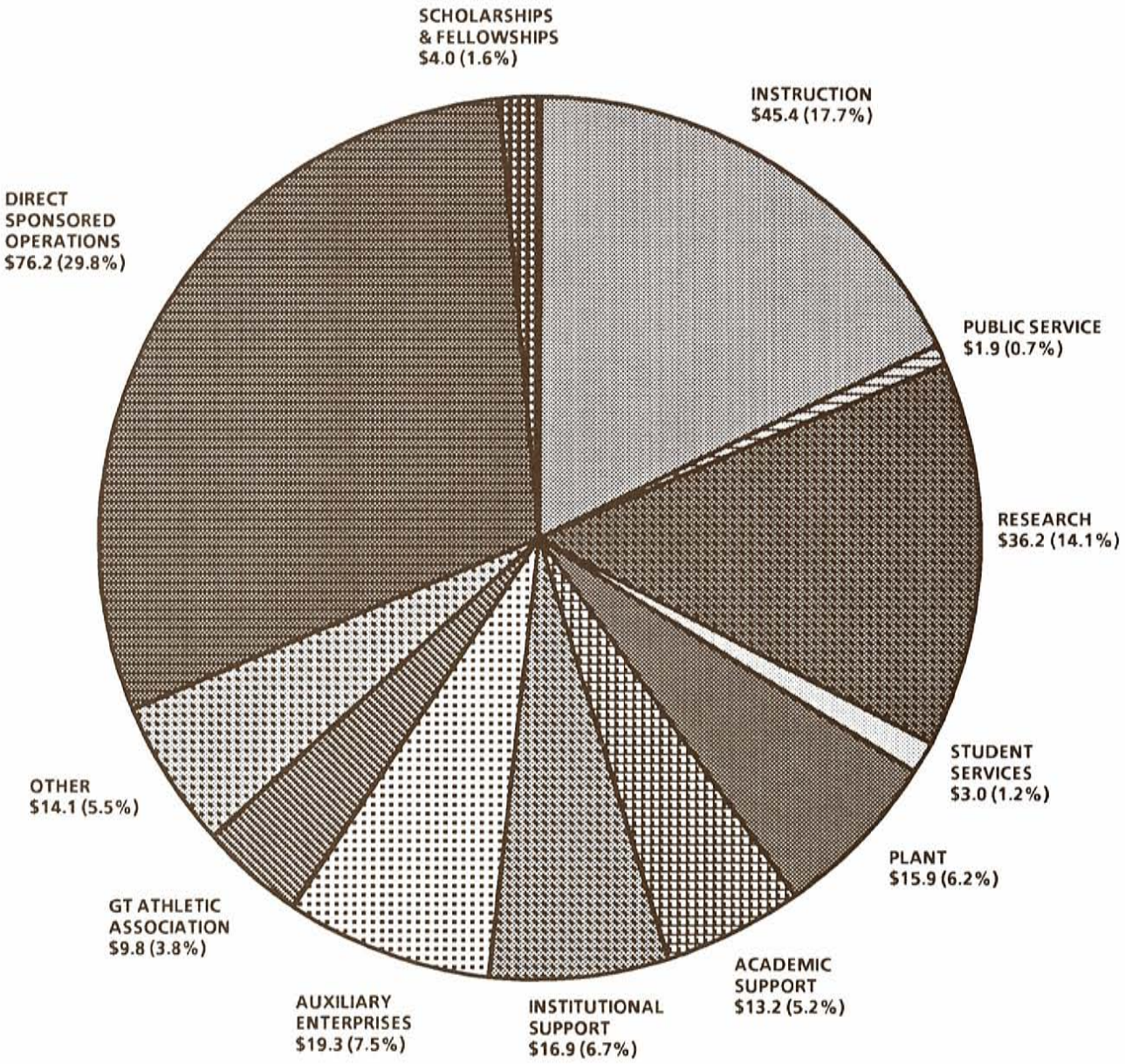
RESEARCH

1987-88

Fact Book

*CONSOLIDATED EXPENDITURES BY FUNCTION FISCAL YEAR 1986-87: $255.9 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

REVENUE

Georgia Institute of Technology's revenue from all sources in the 1986-87 fiscal year is $259,568,309, including an increase of $25,564,475 or 10.9 percent over revenue of $234,003,834 in the 1985-86 fiscal year.

The breakdown of revenue by percentage of the amount in 1986-87, compared with the prior four years is:

	REVENUE BY PERCENTAGE				
	82-83	*83-84*	*84-85*	*85-86*	*86-87*
State Appropriation	25.8	28.0	29.0	29.2	28.6
Student Tuition & Fees	11.7	11.1	11.3	12.1	12.3
Endowment	0.9	0.7	0.7	0.4	0.3
Gifts & Grants	0.5	0.3	1.0	0.1	0.5
Indirect Cost Recoveries	8.9	8.8	8.7	10.0	8.8
Sponsored Operations	30.7	30.1	27.0	27.7	29.4
Scholarships & Fellowships	2.1	2.1	2.0	1.8	1.5
Auxiliary Enterprises	8.0	7.7	8.1	8.3	8.8
Georgia Tech Athletic Association, Inc.	3.0	3.4	3.7	3.9	3.8
Student Activities	0.7	0.6	0.6	0.6	0.5
Georgia Tech Foundation, Inc.	2.9	2.5	2.2	2.2	2.2
Georgia Tech Research Corporation	2.3	2.3	2.1	1.7	0.8
Other Sources	2.5	2.4	3.6	2.0	2.5
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%

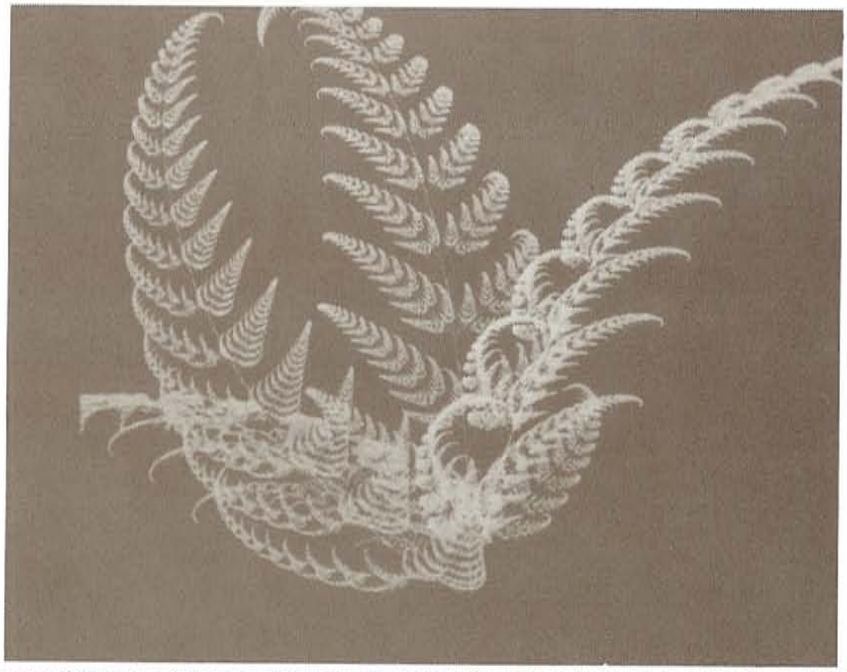
EXPENDITURES

The expenditures for 1986-87 were $255,918,784, including an increase of $24,667,882 or 10.7 percent over expenditures of $231,250,902 in the 1985-86 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				
	82-83	*83-84*	*84-85*	*85-86*	*86-87*
Instruction	15.1	14.6	14.4	17.6	17.7
Research	13.2	12.5	13.0	15.7	14.1
Public Service	0.2	0.3	0.3	0.5	0.7
Academic Support	5.1	4.7	5.0	5.8	5.2
Student Services	1.1	1.0	1.0	1.2	1.2
Institutional Support	7.8	11.0	10.8	6.2	6.7
Operation of Plant	6.4	5.9	6.9	6.1	6.2
Sponsored Operations	30.8	30.4	27.2	28.0	29.8
Scholarships & Fellowships	2.1	2.1	2.0	1.8	1.6
Auxiliary Enterprises	7.7	6.9	7.2	7.3	7.5
Georgia Tech Athletic Association, Inc.	3.0	3.4	3.7	3.8	3.8
Student Activities	0.6	0.7	0.6	0.6	0.6
Georgia Tech Foundation, Inc.	2.9	2.5	2.3	2.2	2.2
Georgia Tech Research Corporation	2.3	2.3	2.1	1.7	0.8
Unexpended Plant Fund	1.7	1.7	3.5	1.5	1.9
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%

Source: Office of the Vice President, Business and Finance



Fractal image, Computergraphical Mathematics Laboratory; copyright GTRC, 1987, used by permission. The image represents very high data compression. It comes from a database of less than 2,000 bytes.

Georgia Tech is a major center for advanced technology in Georgia and the Southeast. With a full-time general faculty of more than 1,500, 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 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 nonprofit 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.

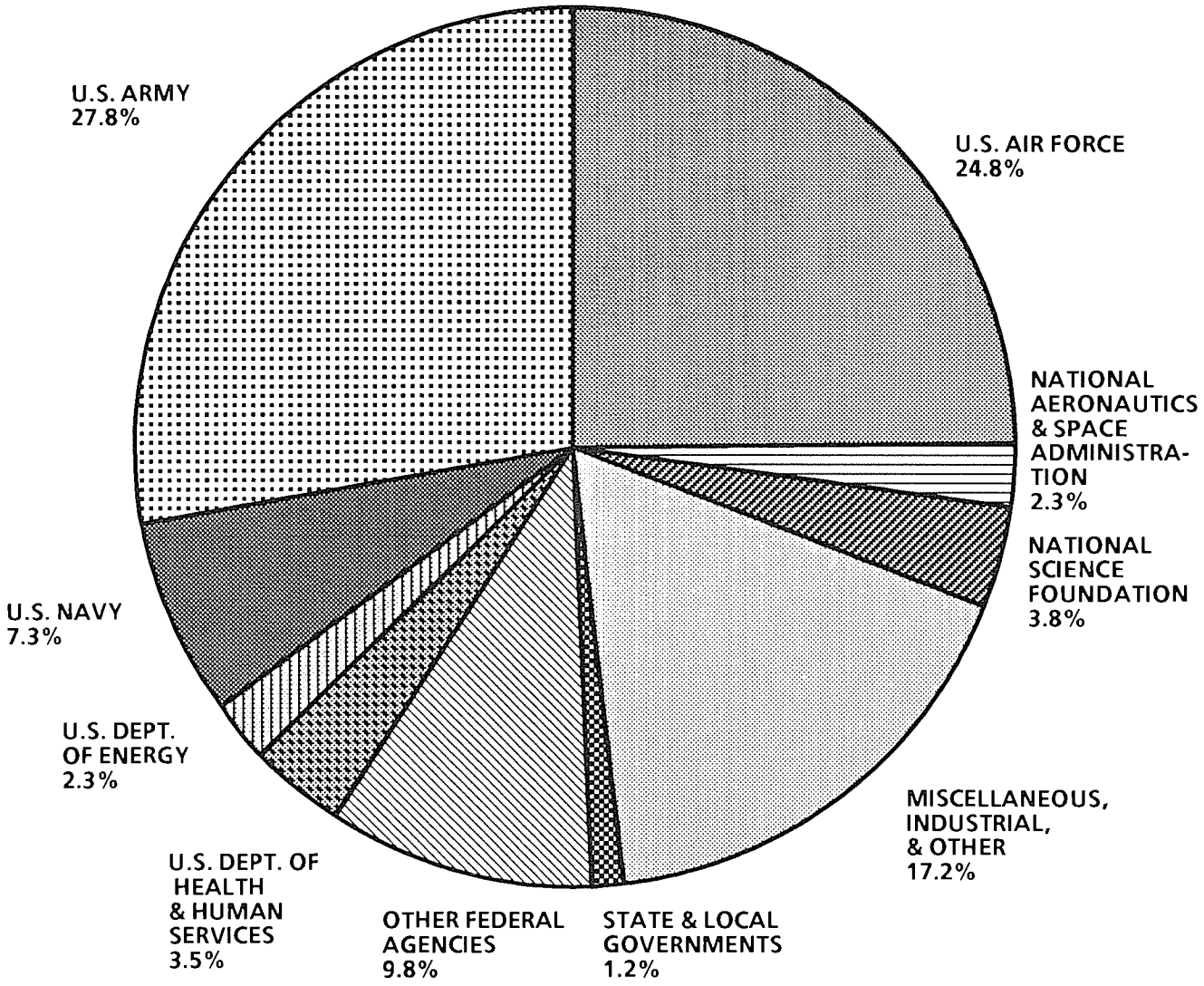
Research programs range from alternate energy research to the development of electronic defense systems; from economic development assistance to business and industry to the application of complex computer technology; from analyses of systems for monitoring stratospheric pollution to the design and implementation 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 $100 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 other 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 58 percent of the research and extension activities are managed by the Georgia Tech Research Institute, and 42 percent are managed by centers and academic schools and colleges.

Source: Office of the Vice President for Research

TOTAL SPONSORED RESEARCH
As of 30 June 1987



Source: Office of the Vice President for Research

RESEARCH SUMMARY

RESEARCH GRANTS AND CONTRACTS FY 1986-87 BY AWARDING AGENCY*

AWARDING AGENCY	*1986-87*	*% of Total*
National Science Foundation	$ 3,373,912	3.8
National Aeronautics & Space Administration	1,990,174	2.3
U. S. Air Force	21,981,539	24.8
U. S. Army	24,603,338	27.8
U. S. Navy	6,495,314	7.3
U. S. Department of Energy	2,039,593	2.3
U. S. Department of Health and Human Services	3,128,646	3.5
Other Federal Agencies	8,638,618	9.8
Total Federal Government	**$72,251,134**	**81.6**
State and Local Governments	$ 1,054,199	1.2
Miscellaneous, Industrial, & Other	$15,186,477	17.2
GRAND TOTAL	**$88,491,810**	

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

RESEARCH SUMMARY FY 81-82 / FY 86-87

	FY 81-82		*FY 82-83*		*FY 83-84*	
Unit	*No.*	*Amount*	*No.*	*Amount*	*No.*	*Amount*
Engineering	289	$10,205,185	256	$11,217,350	189	$11,558,742
Architecture	14	397,746	22	1,583,250	26	1,230,586
COSALS	111	5,713,954	104	9,948,624	92	6,969,669
Management	6	72,481	3	141,741	5	335,770
Research Centers	26	626,180	30	1,407,520	109	1,187,654
GTRI	517	43,891,588	519	58,085,969	534	45,100,256
Total	**963**	**$60,907,134**	**934**	**$82,384,454**	**955**	**$66,382,677**

	FY 84-85		*FY 85-86*		*FY 86-87*	
Unit	*No.*	*Amount*	*No.*	*Amount*	*No.*	*Amount*
Engineering	184	$12,781,768	226	$ 18,783,213	247	$17,836,180
Architecture	19	543,518	18	645,070	8	246,270
COSALS	106	6,257,525	128	9,795,005	110	8,161,649
Management	5	355,090	1	36,240	7	411,207
Research Centers	102	1,932,594	67	915,019	30	1,571,846
GTRI	567	53,955,930	536	75,456,553	539	60,264,658
Total	**983**	**$75,826,425**	**976**	**$105,631,100**	**941**	**$88,491,810**

Source: Office of the Vice President for Research

RESEARCH SUMMARY BY UNIT

July 1986-June 1987

UNIT	PROPOSALS Number	PROPOSALS $ Amount	AWARDS Number	AWARDS $ Amount
College of Engineering				
Aerospace	82	32,769,467	31	2,342,304
Chemical	28	3,111,684	14	1,026,430
Civil	65	6,499,653	32	1,477,184
Electrical	110	34,481,209	63	6,636,595
Engineering Science & Mechanics	7	796,846	3	140,509
Industrial & Systems	43	14,798,141	20	1,382,789
Material	29	6,657,356	19	1,202,354
Mechanical	127	28,994,387	61	3,232,031
Textile	14	2,103,667	4	395,984
Total	**505**	**$ 130,212,410**	**247**	**$ 17,836,180**
College of Sciences & Liberal Studies				
Biology	16	3,717,715	4	157,774
Chemistry	54	9,115,953	29	3,185,129
English	--	0	--	0
Geoscience	54	6,161,332	29	1,688,458
Information & Computer Science	32	13,549,833	11	921,336
Mathematics	18	6,067,498	11	567,627
Physics	38	7,921,914	15	906,098
Psychology	22	6,713,949	11	707,861
Social Sciences	2	459,995	0	27,366
Modern Languages	--	0	--	0
Total	**236**	**$ 53,708,189**	**110**	**$ 8,161,649**
College of Management	**14**	**$ 768,906**	**7**	**$ 411,207**
College of Architecture	**22**	**$ 2,238,369**	**8**	**$ 246,270**
Research Centers				
Advanced Technology Development Center	0	$ 1,620	0	$ 1,620
Nuclear Research Center	--	0	1	30,000
Office of Interdisciplinary Programs	101	7,907,453	23	1,326,442
Other	12	2,221,488	6	213,784
Total	**113**	**$ 10,130,561**	**30**	**$ 1,571,846**
Georgia Tech Research Institute				
Office of the Director	5	25,700	8	29,580
Electronics & Computer Systems Laboratory	204	40,046,274	107	7,847,839
Economic Development Laboratory	94	16,007,629	58	3,632,639
Electromagnetics Laboratory	147	38,333,278	99	11,615,746
Energy & Materials Sciences Laboratory	110	19,075,743	57	2,462,712
Radar & Instrumentation Laboratory	150	77,402,311	101	9,384,148
Systems Engineering Laboratory	81	26,109,448	47	11,492,995
Systems & Techniques Laboratory	84	56,631,252	62	13,798,999
Total	**875**	**$ 273,631,635**	**539**	**$ 60,264,658**
TOTAL FOR INSTITUTE	**1,765**	**$ 470,690,070**	**941**	**$ 88,491,810**

Source: Office of the Vice President for Research

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.

Office of Technology Transfer

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.

Legal Staff

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.

Program Initiation Division

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 precontract 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.

Program Administration Division

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.

Contracting Support Division

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.

Printing and Photographic Center

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 research or other uses. 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

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 nonlinear 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.

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 nonmetallics 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 ***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.

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 opportunities.

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.

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 ***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.

The ***Software Engineering Research Center*** is a multidisciplinary research center, centrally managed and dedicated to research, development, and transition in the technologies that aid in the efficient production of low cost, high quality computer software for a variety of applications.

The ***Manufacturing Research Center*** will coordinate the research activities related to manufacturing at Georgia Tech. The initial focus will be on electronics assembly systems and will include materials, interconnection technology, manufacturing processes, and manufacturing systems. Initial funding will come from the state of Georgia to build and equip a new facility and from industry to fund the research efforts to be conducted.

Source: Office of the Director, Interdisciplinary Programs

The Georgia Tech Research Institute (GTRI) is a nonprofit research organization chartered by the Georgia legislature and is an integral part of Georgia Tech. Its missions include: providing 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.

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.

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; Ft. Monmouth, New Jersey; and Dayton, Ohio.

GTRI is organized into seven major research laboratories as described briefly below:

ECONOMIC DEVELOPMENT LABORATORY

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 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. 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).

ELECTROMAGNETICS LABORATORY

The ***ELECTROMAGNETICS LABORATORY (EML)*** is composed of four major research units: Electro-Optics; Physical Sciences; Millimeter-Wave Techniques; and the Huntsville Operations. 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, IMPATT diode chips, chemical kinetics and photochemistry, artificial intelligence, optoelectronics and aerodynamics. The Electro-Optics Division has a grant from Georgia State University to demonstrate the critical technology for the 300-meter optical interferometer to be used in the Center for High Angular Resolution Astronomy (CHARA).

ELECTRONICS AND COMPUTER SYSTEMS LABORATORY

The ***ELECTRONICS AND COMPUTER SYSTEMS LABORATORY (ECSL)*** is composed of four major research units: Communications Systems; Computer Systems and Technology; Electromagnetic Compatibility; and Electromagnetic Effectiveness. 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.

ENERGY AND MATERIAL SCIENCES LABORATORY

The ***ENERGY AND MATERIAL SCIENCES LABORATORY (EMSL)*** is composed of three major units: Thermal Sciences, Materials Science, and Chemical Systems. 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. Projects include high temperature solar energy research, technology related to the conversion and utilization of biomass, the development and evaluation of new high-temperature materials and processes and surface sciences. Current activities include entrained pyrolysis of biomass, thermite synthesis, ceramic and metal matrix composites, advanced organic and inorganic coatings, surface science, molecular sieve materials; radome design, construction and testing; thermoelectric devices and systems and high energy / material interactions.

RADAR AND INSTRUMENTATION LABORATORY

The ***RADAR AND INSTRUMENTATION LABORATORY (RAIL)*** is composed of four major units: Modeling and Analysis; Radar Applications; Technology Development; and a Special Projects Office. The Fort Monmouth Office (FMO) 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, Identification: Friend or Foe (IFF) Technology, tracking radar systems, fiber optics technology/applications, and guidance/seeker technology.

SYSTEMS AND TECHNIQUES LABORATORY

The ***SYSTEMS AND TECHNIQUES LABORATORY (STL)*** is composed of a program office and three major units: Advanced Technology; Defense Electronics; and Microwave Systems. A significant part of the research in STL is related to threat radar systems. This work focuses on the analysis, design, fabrication, and testing of threat radar systems and subsystems. The other technical thrust is in microwave systems, including special antennas, antenna measurements, and range instrumentation systems. A few of the major accomplishments in this laboratory include:

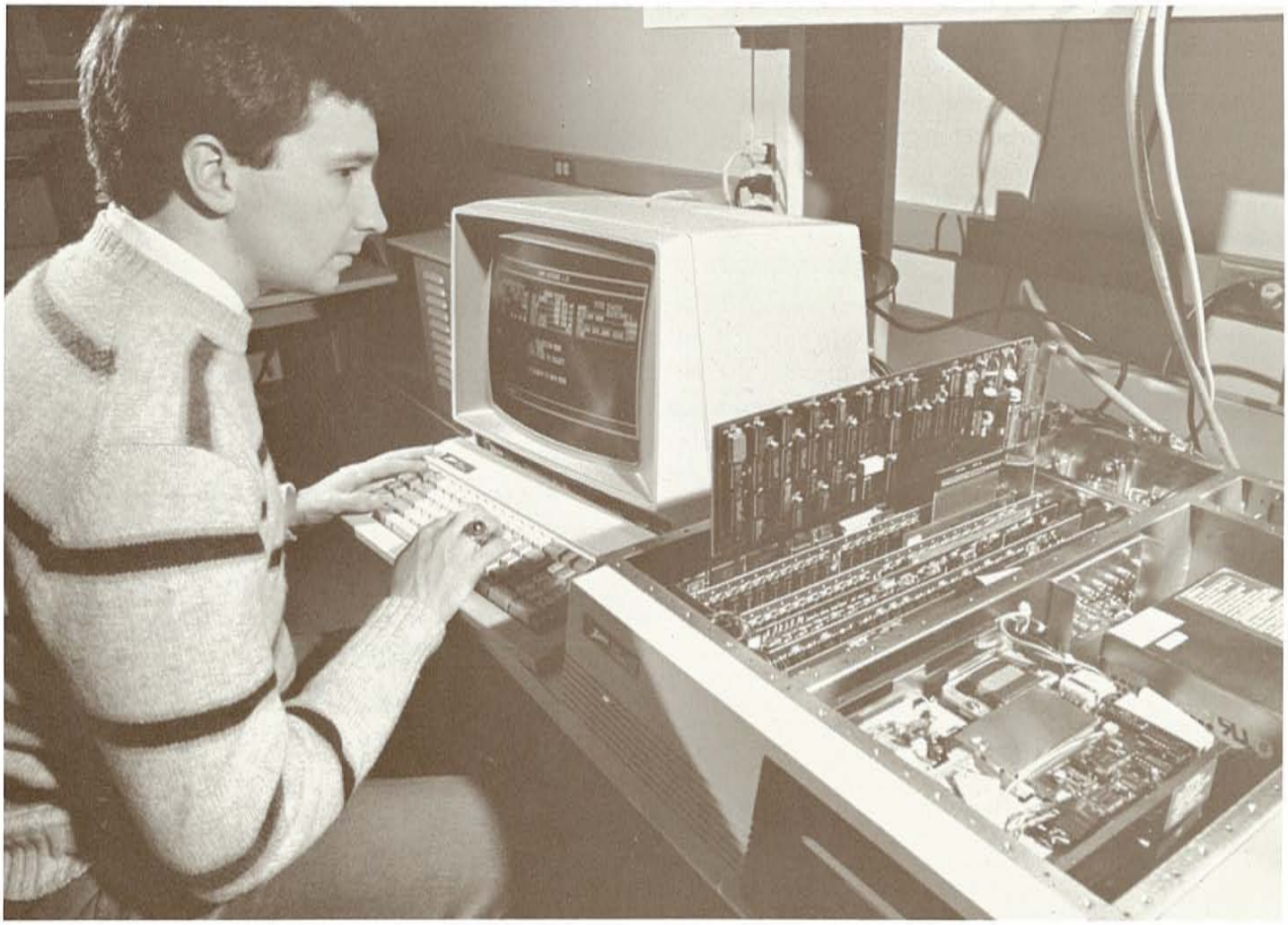
- development of advanced radar systems
- development of antenna range improvements (fixed and mobile)
- research and development programs on modular sensors for future phased array technology architectures
- design and development of a large outdoor compact antenna range

SYSTEMS ENGINEERING LABORATORY

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 1987

Research Regular (full-time)

	Number	Percentage	Total
Professional			**586**
By Highest Degree			
Doctorate*	104	17.8%	
Master's	283	48.3%	
Bachelor's	189	32.3%	
Other	5	0.8%	
No Degree	5	0.8%	
Support			**305**
Total Research Regular (full-time)			**891**

Supplementary (part-time)

	Number	Total
Professional	32	
Support	121	
Graduate Research Assistants	105	
Co-op Students	122	
Student Assistants	99	
Total Supplementary (part-time)		**479**
TOTAL STAFF		**1,370**

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

FY 86/87 FINANCIAL DATA

Activity Level/Funding Sources

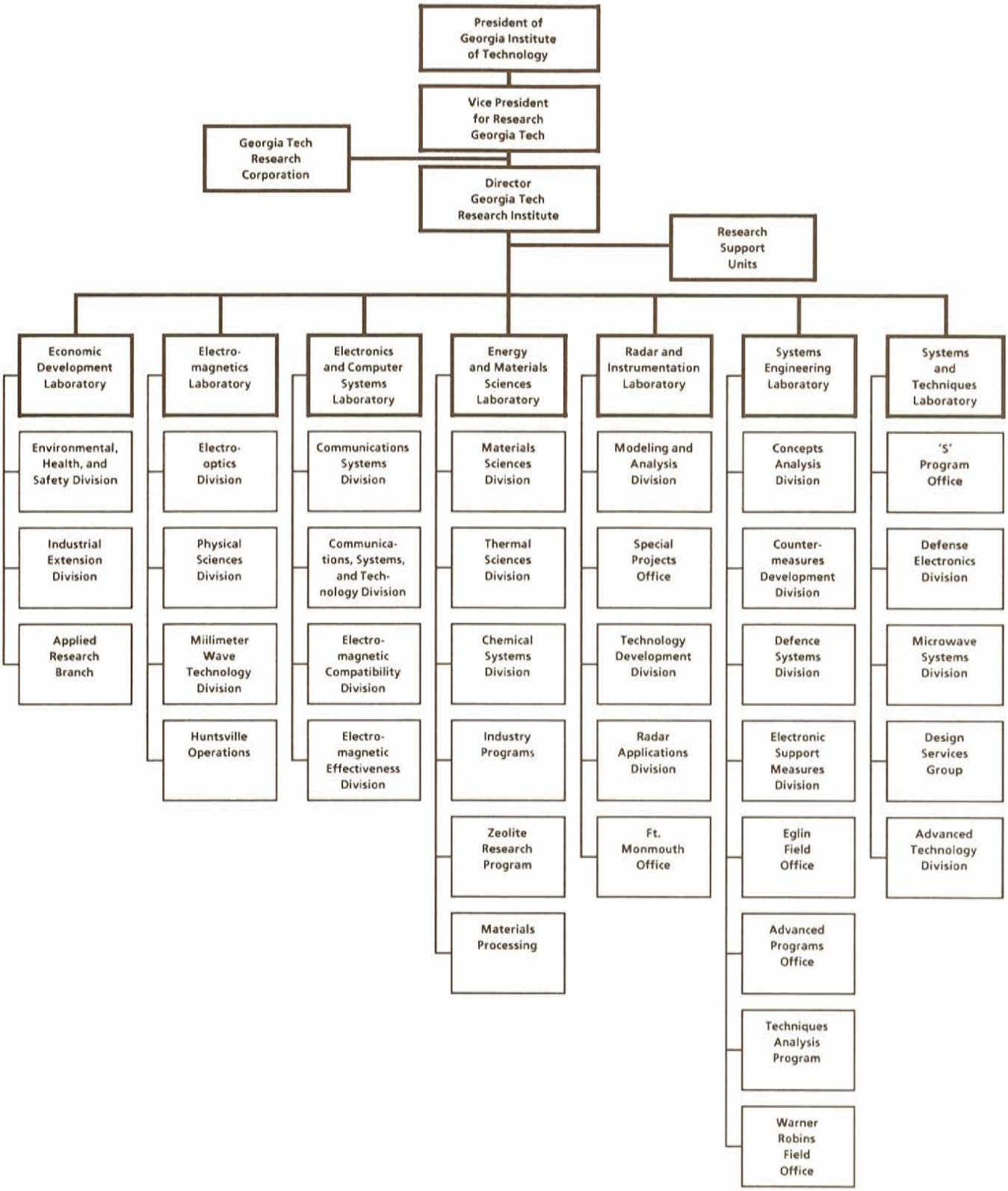
Research Contracts and Grants	$59,241,677
Interdepartmental Services	5,951,676
State Appropriation	9,794,578
TOTAL	**$74,987,931**

RESEARCH FACILITIES

On-Campus Research Space	353,910 sq. ft.
Off-Campus Research Space	163,774 sq. ft.
TOTAL	**517,684 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 1980 by the Governor of Georgia, the General Assembly, and leaders from the Georgia Institute of Technology to strengthen the state's economy through the development of high technology industry.

The purpose of the ATDC is

- to increase the number of jobs in technology-based industries within Georgia and
- to promote the development of advanced technology within the state.

The ATDC has two equally important missions:

- to serve the Georgia high technology community as a business incubator, providing support to start-up companies to reduce the risk of business failure, and
- to promote high technology development in Georgia by attracting research and development divisions and new technology venture groups of large national and international corporations into Georgia.

Early-stage companies are selected for admission to the ATDC on the basis of their:

(1) application and commercialization of advanced technology,

(2) proposed product, process, or service,

(3) qualified management team,

(4) product marketability,

(5) ability to gain financing, and

(6) growth potential

Selection criteria to join the ATDC focus on companies engaged in technologies related to strong science and engineering programs and on the technological industries specifically being sought by the state of Georgia:

- biotechnology
- telecommunications
- computer research
- software development
- microelectronics
- aerospace
- instrumentation

Headquartered on the Georgia Tech campus, the ATDC occupies an innovative $6.1 million, 83,000-square-foot two-building facility, the Technology Business Center, with office, laboratory, and industrial space. A second ATDC site opened in July 1987 on the campus of the Medical College of Georgia in Augusta. The Augusta Health Science Technology Center (HSTC) is intended to assist entrepreneurs in commercializing the results of medical research.

Seventy-six companies have participated as members of the ATDC Entrepreneurial Services program since 1980. Eighty-two percent of these companies are still active. Forty-five active Member Companies employ over 510 persons and have created an additional 680 jobs because of their multiplier effect. Combined revenues of ATDC companies exceed $36 million annually, with an economic impact value of $50 million. Georgia's tax income from ATDC-assisted companies was $2.5 million during 1986 alone.

The ATDC's efforts have resulted in the recruitment of sixteen high technology firms into Georgia, which have invested $170 million and have employed 2,250 people in the last four years.

Current ATDC activities focus on supporting Georgia's academic and research facilities, targeting statewide technology development efforts, creating public and private seed capital funds, and creating new technology and general business incubators in cities throughout Georgia.

Source: Office of the Director, ATDC

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