Georgia Tech will move forward on a steady, upward trajectory…

… while the world around us follows a more erratic course.
Since our Strategic Plan was drafted in 1999…

- The dot-com bubble burst
- The economy slowed
- Venture funds shrank; start-up companies struggled
- September 11, 2001 terrorist attacks
- War in Afghanistan and Iraq
State funds have been contracting...

- Sustained $24.3 million in cumulative cuts through FY 03 (11.3% of state funding)
- FY 04: $4.3 million already cut; another 2.5% cut is underway
- FY 05: potential 5% cut
- By end of FY 05, cuts could total $45 million (21% of state funding)

... while enrollments have been increasing
Positive momentum
Strategy
Talent
Teamwork
Focus
Dramatic new facilities open

 › $500 million in new and renovated facilities opened during the past year

 › Over 2 million square feet of new and renovated space became available
The Campus Master Plan envisions the campus resources that will enable Georgia Tech to meet the goals of its Strategic Plan.
What makes a great campus?

U Penn’s Quadrangle

MIT’s Simmons Hall

Thomas Jefferson’s “academical village”
“A great building... must begin with the unmeasurable, must go through measurable means when it is being designed, and in the end must be unmeasurable.”

Louis Kahn
“On architecture for academia”
*Fortune*, May 1963
Student-focused Education
Admissions

⇒ 2,200 incoming freshmen (same as last year)
⇒ Strong academic profile
  → Average SAT: 1336
  → Average GPA: 3.7
⇒ In-state students increase slightly; out-of-state students decrease slightly
Student body continues to grow

16,623 students enrolled this fall:

- 11,240 undergraduates
- 5,383 graduate students
- 16,049 here in Atlanta
- 574 in Savannah, France, Singapore, or on-line
Enlivening the student experience

Over 1,350 undergraduates participated in research last year

Student team won $250,000 in the 2003 Carrot Capital Business Plan Challenge for Torex International
Students achieve excellence

Saniya Ahsan
Churchill Scholar
Cambridge

Stewart Jenkins
Fulbright Fellow
Italy

David Eger
Fulbright Fellow
Budapest

Nate Watson
Truman Scholar

Monique Gupta
Goldwater Scholar
Enhancing the learning experience

U.A. Whitaker Building

Management Building

Global Learning Center
Reshaping the past to serve the future

John S. Coon Building

Future center for undergraduates

Library West Commons
New leaders: Future vision

Don Giddens  
Dean of Engineering

Rich DeMillo  
Dean of Computing

Steve Cross  
Vice President and Director  
GTRI

Robert Snyder, MSE  
Ken Knoespel, LCC

Larry McIntire, BME  
Joseph Hughes, CEE

Diana Hicks, Public Policy  
Jim Frederick, IPST

School Chairs  
Diana Hicks, Public Policy  
Jim Frederick, IPST
Superstars light the way

- 25 members of the NAE (7th in the nation)
- 11 NSF CAREER Awards last year; 83 total (2nd in the nation)
- Endowed chairs filled:
  - Barbara Boyan, Price Gilbert Chair in Tissue Engineering
  - Russell Dupuis, Steve Chaddick Chair in Electrical and Computer Engineering
  - Catherine Ross, Harry West Chair in Quality Growth and Regional Development
- 26 additional academic faculty positions
Faculty win recognition

**Book awards:**

Michael Thad Allen
*The Business of Genocide*
Charles Smith Award
Southern Historical Association

Steve Usselman
*Regulating Railroad Innovation*
Ellis W. Hawley Prize
Organization of American Historians

Vicki Galloway
Nelson Brooks Award for Excellence in the Teaching of Culture
American Council on the Teaching of Foreign Languages

Ron Rousseau
Warren K. Lewis Award
American Institute of Chemical Engineers

Tom Galloway
Lexus Leader of the Arts
Public Broadcasting
Atlanta

Remembering

Kevin Brennan
Distinguished Professor Award
Research sets new records

$375 million in research expenditures
$292 million in research awards
188 invention disclosures filed
40 patents received
4 NSF Centers of Excellence
Breaking new ground

Nanobelts and nanowindmills have made Z. L. Wang one of the most widely published and cited nanotech experts in the world.

Damien Gaudry demonstrates a robotic hand that can sign the entire alphabet – a tool to teach sign language.

Researchers created the world’s fastest detailed simulations of computer networks with over 5 million elements as a tool to design faster, safer, more reliable networks.
Tackling the world’s thorny questions

Michael Elliott is training Palestinian and Israeli environmental experts to resolve conflicts over water

TI:GER, created by Marie Thursby, brings together science, engineering, management, and law students from GT and Emory to study the economic and social consequences of technology transfer
New space opens new horizons

Ford ES&T Building
Whitaker BME Building

Technology Square Research Building
Campus Life
New facilities for fun, fitness, and health

Campus Recreation Center

Stamps Health Services at the Whitehead Building
Connecting students

A new “green” by the Student Center invites a game of Frisbee.

New Student Center Commons, with offices for student organizations on the upper level.
“It’s a very good space – you just feel comfortable here. You can hang out here. You can have something to eat, read some books, listen to music, or watch a movie.”

Rafiullah Seddiqi
junior computer science major
Teams generate spirit

- Baseball team wins ACC championship
- Volleyball team takes ACC title
- 13 of 17 intercollegiate teams qualify for post-season competition
- 3 Academic All Americans

Brian Burks
ACC Tournament MVP

All American Lynnette Moster
Renovated stadia put Georgia Tech on par with other national programs

Bobby Dodd Stadium

Russ Chandler Stadium
Sustainability
Going easy on the environment

⇒ Management Building wins LEED Silver certification

⇒ White roofs at Technology Square reflect heat

⇒ Ford ES&T has unique rainwater drainage system
Creating a sustainable campus

Green spaces offer quiet beauty in the midst of the city

Tech Trolleys are powered by natural gas

Solar cells cover the roof of the Campus Recreation Center
Engaging the Community
Opening a new front door
Blurring campus boundaries

Restaurants, shops, and wide sidewalks invite the neighbors to Technology Square.

The R. Kirk Landon Learning Center serves Georgia Tech and the Home Park neighborhood.
Students and faculty volunteer their help

Mobilizing Opportunities for Volunteer Experience (MOVE) involved 5,340 students in 60 community service projects.

CEISMC helped over 40 faculty to incorporate a K-12 component into research sponsored by companies like BellSouth and GE.
Global Intersections
Four campuses on three continents

Global Learning Center

Georgia Tech-Lorraine

Georgia Tech-Singapore

Georgia Tech-Savannah
Educating world citizens

→ A third of Tech students now study abroad

→ Over 2,900 international students are enrolled in Atlanta
Connecting in cyberspace

Electronic signals from rat neurons in Steve Potter’s Georgia Tech lab control an artistic robotic arm located in Perth, Australia.

Air Force pilot Marshall Groves, third from left, keeps up with his master’s degree coursework in mechanical engineering from Iraq.
Creating imaginative intersections

“Squares” is Chaim Gingold’s digital comic strip in which the “viewer” becomes a participant, placing or moving props from panel to panel to change the outcome.

Blair MacIntyre, Computing, and Jay Bolter, LCC, test their augmented reality system on Maribeth Gandy.
Strong rankings hold

- Top 10 public universities, 5th year in a row
- 37th among all universities
- Engineering in top 5, both graduate and undergraduate; most disciplines in top 10
- Management 36th overall; strong sub-programs point to future progress
- Strengths: academic reputation, student quality, faculty quality, alumni support
“Architecture is to make us know and remember who we are.”

British architect Sir Geoffrey Jellico

*International Herald Tribune*, Nov 6, 1989