Georgia Tech Regional Engineering Program

Status Presentation

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Acting Director, GTREP
GTREP Overview

An Academic Collaboration Involving

- Georgia Institute of Technology
- Armstrong Atlantic State University
- Georgia Southern University
- Savannah State University
- Coastal Georgia Center
- Skidaway Institute of Oceanography
GTREP Overview

Undergraduate Degree Programs

- Bachelor of Science in Computer Engineering
- Bachelor of Science in Civil Engineering

Graduate (Distance Learning) Programs

- Master of Science in Electrical and Computer Engineering
- Master of Science in Environmental Engineering
Schedule

- Notice to proceed – October 16, 1998
- First formal classes – August 23, 1999

* Normal time to establish programs is ~2 years
* Regents' Engineering Transfer Program (RETP) facilitates process
Students take freshman and sophomore classes at one of ten regional institutions, then transfer to Georgia Tech in Atlanta for junior and senior years.

* in process of joining RETP
Current Approaches to Obtaining Georgia Tech Engineering Degree

**TRADITIONAL**
- Enter GT as Freshman in Engineering
- Select Major: AE, BME, ChE, CEE, ECE, ISyE, MSE, ME, TFE

**TRANSFER**
- Take Freshman and Sophomore Classes at Any School (In or Out of State)
- Apply to Georgia Tech to Transfer
- Enter Desired Program: AE, BME, ChE, CEE, ECE, ISyE, MSE, ME, TFE

**RETP**
- Take Freshman and Sophomore Classes at One of Ten Regional Institutions
- Transfer to Desired Georgia Tech Program: AE, BME, ChE, CEE, ECE, ISyE, MSE, ME, TFE

Graduate With Georgia Tech Engineering Degree
Improving Engineering Education in Georgia

• How can we enhance the opportunity for a high quality engineering education for qualified Georgia residents?
• How can we ensure that the state will be prepared to meet the technological needs of the future?
• How can we ensure that the state will be prepared to capitalize on future opportunities?

Solution: Georgia Tech and GTREP
Existing Approaches

GTREP

- Take Freshman and Sophomore Classes at Regional Institutions
- Remain at AASU, GSU or SSU, but Become GT Student in Computer Engineering or Civil Engineering
### Typical RETP

<table>
<thead>
<tr>
<th>Year</th>
<th>Regional Institution</th>
<th>Georgia Tech</th>
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<tbody>
<tr>
<td>Freshman</td>
<td>100%</td>
<td>0%</td>
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<tr>
<td>Sophomore</td>
<td>100%</td>
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</tr>
<tr>
<td>Junior</td>
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<td>100%</td>
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<tr>
<td>Senior</td>
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</table>

### Possible GTREP

<table>
<thead>
<tr>
<th>Year</th>
<th>Regional Institution</th>
<th>GTREP</th>
<th>GT (Distance)</th>
</tr>
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<tbody>
<tr>
<td>Freshman</td>
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<td>60%</td>
<td>25%</td>
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<tr>
<td>Senior</td>
<td>10%</td>
<td>60%</td>
<td>30%</td>
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GTREP faculty will be Georgia Tech faculty physically located in Southeast Georgia, supplemented by additional faculty located in Atlanta.
Planning

- RETP Issues
  - SSU completed approval process and will offer courses in the fall with support from GT
- Curriculum development
  - Completing approval at school level
  - Courses and electives to be developed
  - Formal approval to follow
Planning

- Faculty/staff hiring
  - Job descriptions in progress
  - Target candidates
  - Two staff positions
- Financial aid programs
  - Planning meeting scheduled for April 19th with GT, AASU, GSU and SSU
- Student recruitment
  - Ongoing at three institutions
Planning

- Facility and equipment needs
  - Facilities at GSU and Coastal Georgia Center for 1999–2000 identified
  - Need to plan beyond 2000
- Distance learning development
  - Planning meetings held with GT, AASU, GSU and SSU; draft plan prepared
- Library resources
  - Work initiated at GT
Planning

- Co-op program
  - Planning meeting held with GT, AASU, GSU and SSU; draft plan prepared

- Accreditation
  - Preliminary discussions with ABET
Space Needs (Faculty/Staff Offices)

Statesboro

Savannah
Other Space Issues

- Classrooms (shared)
- Laboratory facilities
- Academic infrastructure (co-op/financial aid/registration/recruitment...)
- Renovations/maintenance/equipment installation
Timeline

- Notice to Proceed - 10/98
- Curriculum Development - 11/98
- Development of Infrastructure - 11/98
- Begin Faculty Hiring Process - 3/99
- First Faculty Hired - 8/99
- First Formal Freshman Classes - 8/99
- Selected Sophomore and Junior Classes - 8/99
- First Formal Junior Classes - 8/00
- First Graduates - 5/02

<table>
<thead>
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<th>August</th>
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<td>2001</td>
<td>2002</td>
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Important/Strategic Partners

- Industry
- BETA
- SEDA
- Others...
Thank you
U.S. AIR FORCE TO BUY MORE GULFSTREAM JETS

The U.S. Air Force has announced plans to purchase two additional Gulfstream V jets, which amounts to six planes that the Air Force are purchasing from the Savannah-based company. The $77 million contract will be used to build two jets for special anti-terrorism and disaster relief missions.

Source: The Savannah Business Report (posted 4/16/99)

500,000 SQUARE FOOT J.C. BAMFORD FACILITY UNDER CONSTRUCTION IN POOLER

A 500,000 square foot backhoe plant is currently under construction in Pooler. The $67 million plant will be the first U.S. manufacturing facility for the U.K.-based company. The construction equipment plant is expected to employ as many as 500 employees, most of whom are local residents, once it opens this summer.

Source: Savannah Morning News and savannahnow.com (posted 3/30/99)

MOON RIVER BREWING COMPANY TO OPEN ON BAY STREET

The Moon River Brewing Company is planning to open on Bay Street in the location formerly occupied by the Oglethorpe Brewing Company. John Pinkerton and Gene Beeco, the owners of Moon River Brewing Company, are currently awaiting state licenses to brew and serve beer before officially opening. They have already procured federal and city permits.

Source: Savannah Morning News and savannahnow.com (posted 3/25/99)

U.S. DEPARTMENT OF JUSTICE APPROVES INTERNATIONAL PAPER'S PURCHASE OF UNION CAMP

The U.S. Department of Justice has reviewed the sale of Union Camp, a major paper company with a factory that employs 2,600 workers in Savannah, to International Paper, one of the largest paper and packaging companies in the world. The review helps clear the way for the purchase of Union Camp, which still leaves the future of the Savannah paper mill, and its workers, in question.

Source: Associated Press (posted 2/5/99)
Talking Points for Dr. Clough

- We have known about some of the areas in which internal controls need to be improved.
- Over the past year, even before these recent controversial incidences have occurred, we have been making a concerted effort to address these areas.
- I hired a new Director of Internal Auditing and have charged him with the responsibility of performing Institute-wide reviews of major areas of internal control in each operational unit. The focuses of these reviews will be to verify that there are proper controls in place to ensure that there is sound accountability over the assets of the Institute and that transactions are processed correctly and in compliance with all applicable laws and regulations.
- To that end, Internal Audit will be examining:
  - Travel activities and associated documentation
  - Use of Foundation funds
  - Sponsored programs
  - Procurements including use of P-Cards
  - Accountability over capital assets
  - Controls over information technology assets
  - and a number of other areas of internal control.

- When our Internal Auditors have made observations noting opportunities for improvement, in most instances it has been due to lack of understanding in the campus units about what the proper business rules are. We are have been taking steps to solidify our policies and procedures, making presentations during our Administrative Network sessions, having our Internal Auditors provide on-site feedback, and ensuring that all of the updated business policies and procedures are available on the web.
- We will continue to strive for nothing less than excellence in both our academic programs and administrative processes.

Rob Clark/4-14-99