Office of the Provost and Executive Vice President for Academic Affairs

GTS Task Force Report:
Defining a Path Forward for Georgia Tech-Savannah

Appendix L: Envisioning a New Model for GTS: Potential and Possibilities

The proposed model for GTS will combine a portfolio of credit-bearing professional master's degree offerings, executive education and non-credit professional development programs, and co-curricular educational experiences to foster new global educational opportunities while at the same time support the advanced education requirements of regional business and the local community. The task force discussed many academic areas, formats, and delivery models. A summary that provides a sense of how the future GTS will look follows.

Characteristics of educational non-credit, executive education and professional masters programs

- Lifelong learning
- Market-focused and demand-driven
- Must be of Georgia Tech quality
- May or may not involve tenure-track faculty doing the majority of the instruction
- Self-supporting
- Experiential
- Variety of delivery formats/venues: online, blended, weekend, evening
- Leverages technology for instruction so that facilitates flexibility/mobility of the students
- Leverages GT assets/strengths
  - Facility assets: global enterprise (could have programs that utilize virtually or physically these assets); technology delivery platforms, ropes course in Atlanta, ship at Skidaway, etc
  - Human capital: research faculty can provide insight as to where fields/areas are heading and, thus providing more than book knowledge but directions; experienced professionals as instructors coupled with the research faculty
- Draws enrollments from the local community, regional communities, as well as national and international audiences that need/want the programs: targeted marketing/promotional campaigns that are both regionally and industry targeted

- Leverage existing programs (where appropriate and desired, e.g., supply chain, executive education, defense technologies, OSHA, applied systems engineering, economic development) as well as developing new programs that are unique to the GT enterprise
- Offerings that link the GT enterprises together can increase enrollments through technology
- Constant needs assessment (through market research), program evaluation, exit surveys and program completion assessment
- Transparent goals, defined objectives and performance tracking for all programs
- Work with stakeholder organizations (e.g. industry) to demonstrate the value of and return on lifelong learning for their employees
- Academic support that meets the needs of nontraditional students, who often work full-time and thus study or have questions on evenings and weekends

Possible Core Academics

- Science and Technology
  - Coastal Sciences and Technology
    - Renewable Energy
    - Coastal Sustainment
    - Natural Resources
  - Industrial Science and Technology:
    - Manufacturing
    - Logistics
    - Aeronautical
  - Defense Science and Technology
    - Unmanned Systems
    - Remote Sensing
- Leadership and Entrepreneurship
  - Business Management
  - Technology and Engineering Management
  - Defense R&D Acquisition and Project Management
  - Finance
  - Lean Six Sigma
  - Executive MBA
- Software Engineering

Possible Core Educational Offerings

- Cont. ed. certificates tailored to transitioning soldiers
- Prof. master's degrees tailored to active duty soldiers
- Cont. ed. certificates in science and technology
- Cont. ed certificates in leadership and entrepreneurship
- Prof. master's degrees in science and technology
- Prof. master's degrees in leadership and entrepreneurship
- Cont. ed. certificates in software engineering
- Prof. master's degrees in software engineering

Potential Student Body

- Sponsored, open-enrollment and cohort models for student enrollment
- Discharging military personnel
- Active duty soldier seeking continuing education or professional degrees

- Professionals seeking continuing education or professional degrees in science and technology and/or leadership and entrepreneurship
- International student seeking continuing education or professional degrees in software engineering or industrial science and technology areas
- Executive seeking continuing education or professional degrees in leadership and entrepreneurship or an MBA

Possible Faculty

- Use industry experts/practitioners to assist with instruction
- Savannah-resident PhDs
- Professors of the Practice
  - Software architecture
  - Software engineers
  - Civil and environmental engineers
  - Industrial engineers
  - Military personnel
- Adjuncts
  - Distance Learning and Professional Education instructors
  - Ft. Stewart Continuing Education Center (CEC) instructors
  - Armstrong Atlantic State University faculty
  - Georgia Southern University faculty
  - GTRI adjuncts
- Atlanta-resident PhDs (via distance learning)

Possible Formats

- Night classes
- Weekend classes
- Asynchronous DL delivery
- Traditional synchronous (in situ) delivery
- Short-course
- Conferences and workshops