New student survey of college experience could help retention efforts

Denise Noble
Institute Communications and Public Affairs

There are numerous surveys that rank and measure colleges and universities to help prospective students choose their destination for higher education, but what about once students are enrolled? How do institutions gauge how well they’re serving their students and what areas should be addressed in order to keep them there?

Georgia Tech has signed up to participate in a new study that seeks to show what Tech students put into and get out of their college experience, and what they have to say about it. The results may offer valuable data that ultimately can be used to improve retention rates. The goal is to gain valuable information about the quality of Georgia Tech’s undergraduate program and students’ experiences.

Over the next few weeks, randomly selected freshmen and seniors at Georgia Tech and 275 other colleges and universities across the nation will have the chance to share their views by completing “The College Student Engagement Report,” part of an initiative called the National Survey of Student Engagement (NSSE). The report is designed to be administered to a random sample of first-year students and seniors at public and private four-year colleges and universities. At Georgia Tech, 1,400 students (700 freshmen and 700 seniors) will be contacted via e-mail to complete the 15-minute survey, which will be administered via the web. The questions are about how and where students spend their time, the nature and quality of their interactions with faculty members and peers, and what they have gained from their classes and other aspects of their college experience.

Student engagement has been shown repeatedly to be a key factor in student retention,” said Joseph Hoey, director of Assessment at Georgia Tech. “We are really interested in how engaged students are at Georgia Tech. With its emphasis on retention, and looking at student engagement as one vital key to retention, this survey couldn’t have come at a better time. That was what prompted our interest in the survey, as well as the national preeminence of the people developing it.”

Provost Mike Thomas approved the funding for the study because he sees its potential as an important assessment tool and a way to improve how Tech communicates with and serves its students. “We get the best student body of any public research university in the country, yet our graduation rates are much lower than many other top schools,” he said. “I’m sure part of that is the rigor of our curriculum and another part is the relative narrowness of our degree offerings. However, we have added a number of new degrees in the recent past, and we may need to move more effectively toward them.”

See Survey, page 3

EMERGE Workshop to develop strategy for minority recruitment, retention

Victor Rogers
Institute Communications and Public Affairs

With only 3 percent of the doctoral degrees in science, engineering and mathematics (SEM) being awarded to minorities, the flow of minority students in the pipeline for SEM graduate degrees is barely a trickle. Recently, more than 140 representatives from academia, government and industry gathered in Atlanta for Workshop 2000, a three-day session to identify and share successful strategies to open the valve and increase the flow of minorities through the pipeline.

“The problem begins at the earliest stages of the education of young people and continues through the education system,” said Shirley Malcom of the American Association for the Advancement of Science. “The solution is that everybody in that system has to do a better job of handing off to the next person in the system. Part of the problem is that the pieces are not articulated, and there’s very little feedback from one part of the system to the others,” she said. “Everything is haphazard; there’s no structure, no strategy, no overall plan that holds it all together.”

One goal of Workshop 2000 is to help bring order to the chaos by creating a systematic method of communicating. Concurrent sessions focused on various segments of the education pipeline including pre-college, undergraduate, graduate, post-graduate and student leaders, with each group working toward an implementation plan to increase minority students entering SEM fields.

“The idea is to look at ways in which organizations involved in minority programs and education across the country can become more effective through collaboration on a national scale,” said Mark J.T. Smith, executive assistant to President Wayne Clough. “Perhaps our greatest opportunity for impact lies in enhancing the communication among pre-college groups, colleges and graduate schools—three pipeline segments that heretofore have had limited interaction revolving around minority SEM education.”

EMERGE (Empowering Minority Engineers to Reach for Graduate Education) is a national coalition of universities, organizations, agencies, corporations and national stakeholders committed to increasing minority graduation rates in SEM. Smith and Clough are key leaders of the EMERGE initiative.

Smith said a goal of EMERGE is to create a web-based source of information regarding minority recruitment and retention. This cyber network will allow students, parents and educators to find program information and educational opportunities. Moreover, it will allow colleges and universities to recruit minorities more effectively into undergraduate and graduate programs in SEM.

Roosevelt Johnson, program director of the Alliances for Graduate Education and the Provostate at the National Science Foundation (NSF), applauded the cyber network concept and its potential to effect change. “Through alliances, we have a greater opportunity to make the whole better than the sum of its parts,” he said. “We have tried the individual approaches for decades. You’ve seen the numbers [of minority students in SEM]… and they’re all bad. The numbers are low, and they don’t represent the potential pool of students.”

See EMERGE, page 2
Meet Deborah Turner

Full name: Deborah Hanson Turner
Age: 45 (for a little while longer)

Occupation: Associate dean, DuPree College of Management

Current projects and/or research: Working with faculty, staff, students and alumni of the DuPree College to make every program in our College world-class.

What I find most challenging about my job: Finding enough time in the day to meet with all of my “constituents.”

Years at Tech: 15

Education: B.B.A., M.P.A., and Ph.D. in business (with a major in accounting), all from Georgia State University

Marital status: Married to Jim Turner

Children: Son, Hanson, 17, and daughter, Kathleen, 15

Pets: Two cats, Freddy and Kathy; one dog named Kitty; one hamster named Bob; and many unnamed fish

The last book I read, and enjoyed, was: Hunting Badger by Tony Hillerman

My ideal weekend would include: Sitting on a beach in Florida reading a mystery.

One job I had that is not on my resume: Waitress at Mr. Steak Restaurant (I supported myself through college with those tips!)

One thing I would like to improve in today’s society: To encourage a caring attitude toward our senior citizens.

When I was younger I wanted to be: A teacher.

The best advice I ever received was: Dream big!

My pet peeve is: People who are unfriendly to others.

Most people don’t know that I: Was a Girl Scout leader for the past 10 years.

My most important achievement is: Getting to a point in my career where I can really help others meet their goals.

My daily routine would be incomplete without: A Tab (soft drink) to get started in the morning.

People

George W. Woodruff School of Mechanical Engineering
Assistant Professor Imme Ebert-Uphoff has received a 2000 CAREER Award from the National Science Foundation. Her project is titled “New Research Directions for Parallel Manipulators—Investigation of Redundant Actuation, Redundant Sensing and Static Balancing” and is funded for a four-year period at approximately $200,000.

School of Chemistry and Biochemistry
Assistant Professor Rigoberto Hernandez has been named a 2000 Sloan Research Fellow. Awarded by the Alfred P. Sloan Foundation, the two-year fellowship is intended to enhance the careers of the best young faculty members in the nation, especially those who have demonstrated independent creativity in their work. Hernandez’s group develops models to better understand the dynamics of thermosetting polymers. Hernandez plans to use much of the award funding to train graduate and postdoctoral students.

School of Civil and Environmental Engineering
Michael D. Meyer, professor and chair of the School, has received the Theodore M. Matson Award for outstanding contributions in the field of transportation engineering. Meyer was recognized not only for his writings and teaching, but also for his leadership in the profession. Since 1985, Meyer has chaired more than 10 national conferences on transportation and has been appointed to several national commissions studying aspects of the nation’s transportation system.

School of Industrial and Systems Engineering
Augustine O. Esogbue, professor of Industrial and Systems Engineering and director of the Intelligent Systems and Controls Laboratory, was elected to the 2000 Class of Fellows of IEEE, the largest engineering professional society in the world. Esogbue was cited for "his contributions to theoretical and computational dynamic programming and applications.”

School of Aerospace Engineering
Professor Erian Armanios has received a Regents’ Teaching Excellence Award for 2000. The awards are designed to honor the impressive work being done within the University System of Georgia. Armanios will receive an award of $5,000 and will be honored at an awards ceremony this spring.

School of Chemical Engineering
Professor Charles Eckert has received a Regents’ Research in Undergraduate Education Award for 2000. The awards are designed to honor the impressive work being done on campuses within the University System of Georgia. Eckert will receive an award of $5,000 and will be honored at an awards ceremony this spring.

EMERGE, continued from page 1

Johnson said NSF will be an active, major partner and leader in efforts to build a community of students, scholars and leaders that are linked by a strong commitment to implement strategies to increase opportunities for minorities in science, engineering and mathematics.

Clough noted that there is “a tremendous amount of untapped potential among young minorities, and we must move beyond affirmative action to do even more.” He cited a College Board study released last fall that suggests the next step must be “affirmative effort.”

“That is an appropriate designation,” Clough said, “because it will take a lot of hard work on the part of all of us to reach the next level of empowering more minority youth with the skills and confidence they need to compete in science, math and engineering, especially at the graduate level.”

Smith said that many people pigeonhole minority recruitment and retention as a “minority issue.” On the contrary, “It’s an American issue that affects the future of our economy,” Smith said. “Demographic projections of the American workforce in the next 20 years show that the workforce is going to be significantly minority. If the minority community is not equipped to shoulder the high-tech work force demands that come with continuing global competitiveness, we will not be able to maintain our current lifestyle.”

The next step for EMERGE is collecting “homework assignments” from Workshop 2000 participants, such as contacts and information about minority programs. In four to six weeks Smith and Shirley Miller, program manager for EMERGE, will produce a report and action plan.
Total Person Program helps student athletes achieve balance

Shelley Hughes
Institute Communications and Public Affairs

A ccording to national titles to Olympic medals, Georgia Tech's national-

ally renowned athletics program has produced many champions.

More importantly, as a result of the Total Person Program, Tech is
developing well-rounded student athletes who go on to winning
performances on both the playing field and in the classroom.

The brainchild of retired Athletic Director Homer Rice, the Total
Person Program prepares student athletes for career and personal chal-

lenges by providing academic support and career placement services
and teaching life skills.

"I never dreamed that the Total Person Program would ever work," said Rice. "Today, 179 schools from across the country participate in the
program. At Tech, students earn a great degree and then go on to get good jobs. However, many students have told me that the Total Person Program has made all the
difference—it provides balance in their lives and encourages them to become the kind of person they want to be.

Since Rice started the Total Person Program in 1980, it has developed into the most comprehensive
student athlete support system in the country. Rice's model has been adopted nationwide as the foundation
for the NCAA's Life Skills Program. Because of its
success, Georgia Tech was awarded the National Excellence
Award by the Division I Athletic Director's Association last fall.

Current Director of Athletics Dave Brainard has built on
the foundation laid by Rice and provides one-on-one
emphasis on all aspects of the student athlete's life.

"The concerns of the student athlete must always come first," said Brainard. "I want to make sure that all
student athletes have the opportunity to graduate. It is our
goal to give back a better person than we brought in."

The Total Person Program, under the direction of Larry New, director of the Hokie Rice Center for Sports Performance, focuses on the fol-
lowing components:

Life Skills: Every freshman student athlete is required to partici-
pate in a weekly, one-hour workshop called the ASPIRE Program
(Athletes' Successful Planning in Reaching Excellence), which helps
educate, counsel and develop healthy habits from the start of an
athlete's career at Tech. The interactive workshop provides training and
discussion on choices, habits, life mission and goals.

Academic Support and Degree Completion: Georgia Tech offers one of the most comprehensive academic support programs in the
country. Tutoring is available in a wide range of subjects, and a staff of
academic advisors monitors academic progress. Once this year-long
program is completed, the staff is available for follow-up sessions to
ensure that opportunities are provided for success in all three areas of the
total person—physical, the mental and the spiritual.

Academic support doesn't end when a student athlete's playing
career is over. The degree completion program focuses on student
athletes who have completed their eligibility and provides a means
for returning to school and completing any remaining course work in
order to earn a degree.

Lynn Houston, women's track all-American and graduate student,
said, "When you do well in school, it makes going out on the athletic
field more fun. You don't have to carry the stress of the classroom with
you. The Total Person Program helps you ... manage your time and
makes everything much easier."

Career Planning and Placement: The career planning and place-
ment program provides guidance well before the student athlete's grad-
uation semester. Programs are offered in resume writing, interview-
sing skills and dressing for success. Students also meet local business leaders
through networking luncheons. The pursuit of summer employment
opportunities is also stressed so that meaningful work experience will
help students prepare for the challenges of a competitive workplace.

Counseling and Wellness: The wellness program addresses a stu-
dent athlete's physical, mental, emotional and spiritual needs. Each year
athletes visit the nutrition center to assess their current diet patterns and
biochemistry. As part of the yearly physical, a complete blood profile is run,
and they are screened for risk factors such as high cholesterol, iron-levels of range iron or calcium and any number of other health-risk indicators.

Every effort is made to modify the athlete's diet so that performance is
maximized and patterns are set to secure long-term health.

A performance and wellness counselor is also on staff to assist
coaches and athletes in everything from team building and personal
mental training to substance abuse programs and clinical counseling.

Leadership: The student athletes have the opportunity to develop leadership skills through the Student Athlete Advisory Council (SAAC), a group of representatives from each team that meets with athletic
department administrators to help shape policies and address issues of concern. The SAAC also has five standing committees: Communications, Outreach, Campus Relations, Team Support, Life Skills and Career Development, and Academic Services.

Honor: Student athletes are recognized through various awards.
Those who excel in both academics and athletics are encouraged to pursue postgraduate scholarship awards. Through the annual Total Person Awards, two seniors are honored based on outstanding academic achieve-
ment, scholarship and character.

Community Outreach: Student athletes are encouraged to give
back to the community through a variety of service projects. For exam-
ple, athletes become monitors for at-risk middle school students.
Middle schools are targeted because students are old enough to grasp
the critical principles they need to be living by, yet young enough for a collegiate student athlete to make an impact.

Curtis Holloman, former football player, said, "It makes you more
well rounded. You actually learn useful skills. Some people get out of
college and don't even know how to balance a checkbook. The Total
Person Program gets you involved in the community and makes you a
total person."

"The Total Person Program is a combination of three things," said
senior women's basketball player Danielle Donehew. "It balances the
physical, the mental and the spiritual aspects of life. For me, the pro-
gram has helped me understand how to reach my dreams and to never
settle for less than my best. The harder I work, the luckier I’ll get."

Survey, continued from page 1

communicate to the students the range of opportunities available
here. We might discover from this survey that we need to focus
efforts in this direction, which would improve retention and gradu-
ation rates," Thomas said.

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1997 BMW 328i 4-dr sedan, 48K miles, silver w/ black leather. 5-speed. Asking price below approx. retail book value ($30,450). Contact lydia.griffin@grti.gatech.edu or Michael Burnett (w) 770-388-0909, (h) 770-920-0190.

1997 Ford Taurus, white, p-w windows/locks/ driver's seat, under 29K miles. $11,800. Contact Lesa.coss@earthlink.net or 404-385-1670.

1998 Honda Civic EX, 4-dr, 1 owner, 48K miles, service records, keyless entry, automatic, air, PS, PB, PL, tilt, cruise, sunroof, ABS brakes, rear defogger, am/fm/6-disc CD changer for car, with 10 disc changer. Asking $500. Contact Roxanne, 770-507-1722 (eve) or roxanne.revak@ceisme.gatech.edu.

REAL ESTATE
Walking distance to Emory and CDC. Freshly remodeled home, 3 BR, 1 1/2 BA, large kitchen, LR, hardwood floors, deck, yard, New appliances, heating, AC. $1,200/mo. + utilities. Call 404-303-0759.

3 BR/2.5 BA townhouse, attached double-car garage. Between Buckhead and Sandy Springs. Quiet location. For sale by owner. Call 404-844-8150 or 404-575-9679.

SPORTS/RECREATION
Wanted: Used treadmill. Contact t touchdown@art.gatech.edu or 404-844-6700 or lavonor.harper@psu.edu.

MISCELLANEOUS
2-ys-old neutered male cat. Loving tabby needs loving home where he is the only cat. Healthy, recent shots. Call Debbie, 770-432-7071.

March 17

Lebanese Culture Break, hosted by the Arab Student Organization. Students, faculty and staff are invited to experience Lebanese culture, music and food. 3 - 4 p.m., Student Center Theater. Contact: Susan Ryan, 404-894-3083.

March 20

Women's Forum, led by Deborah Grayson, School of Literature, Communication and Culture. A panel of professors involved in the Women in Science and Technology minor will participate. 4 - 6 p.m., Student Center Ballroom. For more information, see www.cyberburz.gatech.edu/wam.

March 21

"The European Single Market: A Founder's Perceptions," by Paolo Cecchi, European Union Center visiting scholar, former European Commission deputy director general for the Inter- Market, and co-author of The Cost of Non-Europe. Hosted the European Union Center of the University System of Georgia. 9:30 a.m., Haberbaum Building. Rm. G-17. Contact: 404-385-0600 or ecumenter@inta.gatech.edu.

March 23

Former U.S. Surgeon General Joycelyn Elders will speak part of Women's Awareness Month. Elders is a pediatric endocrinologist and has won numerous awards and accolades in medicine while serving as director of the Arkansas Department of Health. Elders will speak about her expertise in health care and address issues in women's health. 7 p.m. Student Center Ballroom. For more information, see www.cyberburz.gatech.edu/wam.

Miscellaneous

March 15

The Georgia Tech Bookstore hosts a lecture and book sign by Brian Greene, mathematician, physicist and author of national best seller, The Elegant Universe. 12:30 p.m., Student Center Theater. Contact: 404-894-1642 or gigi.weinreich@bks.gatech.edu.

March 25

George C. Griffin Pk Mile Road Race, 9:30 a.m. $15 for t-stuff, alumni and friends; $8 for students. To register online, see www.gtalumni.org. For more information, call 404-894-1090.

Located in the center of Atlanta, the Eagle's Nest on the third floor of the Student Center welcomes faculty, students, staff and friends for relaxation and spectating at all Georgia Tech athletic events. You may contact the office at 770-477-0041.

Sears' 3-ton hydraulic floor jack, $75; Le- electric chipper with extra set of cutter; $50; Sears 14" electric chain saw, $25. Contact Hugh Denny, 404-633-9363 or hugh.denny@grti.gatech.edu.

Crate guitar amplifier DX-15, 8" speaker effects, $100, crm mic, $30, Kramer 10 guitar, $110, cots, cases, etc., all for $20 Call 770-833-9194, 404-894-1027 or lub.morgan@amsr.gatech.edu.

Fiberglass camper shell, white, full-riveted pickup truck, $100. Contact Rodger, 704-7084 or rodger.davis@grti.gatech.edu.

Sony RF 10-disc CD changer for car, with wiring and remote. Asking $250. Also, Aiwa 25-watt amplifier. Asking $75. Call 404-894-5546.

Arts/Culture

Nothing But Treble, Georgia Tech female a cappella group, performs as part of Women's Awareness Month. 11 a.m. - noon, Campanile.

Chanticleer, a 12-man vocal ensemble, performs its distinctive repertoire featuring renditions of contemporary and commissioned works, gospel, spiritual and vocal jazz. 8 p.m., Robert Rost Center for the Arts. Tickets for faculty/staff: $23.80 and $20.40.

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