

Dr. Peterson

Governor's High Demand Career Initiative Welcome

8:30-11:30 a.m. Tuesday, April 15, 2014, GTRI Conference Center

Welcome to Georgia Tech. This is the first of three meetings that will focus on the Governor's High Demand Career Initiative, or HDCI. The subtitle for that Initiative is "Preparing Georgia's Future Workforce Today." That same desire is embedded in Georgia Tech's DNA. We think you've come to the right place to kick off this effort, and we stand ready to add our voice and energy, not just today but well into the future.

You see, we've had some practice at this kind of thing. Those of you familiar with Georgia Tech's proud history know that we were founded in 1885 with the specific mission of helping the post-Civil War South build an industrial economy. Some farsighted Georgians realized that doing that would require an educated workforce and friendly working relationships with business and industry, so Georgia Tech was born.

We are very pleased to have Georgia Gov. Nathan Deal with us today, and we appreciate the energy coming from his office to drive the HDCI. It was created in response to a push from Georgia's private sector toward post-secondary education that would foster, in the Initiative's words, "a consistent, trained, and reliable workforce."

And from the University System of Georgia, we are also happy to welcome to the Georgia Tech campus Chancellor Hank Huckaby; Steve Wrigley, executive vice chancellor of administration; and Houston Davis, executive vice chancellor and chief academic officer. And, direct from Athens, University of Georgia President Jere Morehead ... should we allow a moment for those who wish to bark?

Each of the three HDCI meetings will give representatives from the University System of Georgia (USG) and the Technical College System of Georgia (TCSG) a chance to hear from business and industry leaders. The other two meetings will be April 21 at Georgia

Northwestern Technical College in Dalton, and May 13 at Georgia Southern University in Statesboro.

We are joined today by representatives of 10 key Georgia companies who have graciously agreed to participate. Their firms filled out brief a Workforce Survey in advance to ensure that these meetings are targeted and productive. They will tell us what specific needs they have from a workforce perspective in terms of degrees/majors, certificates, courses, etc. In turn, the USG and TCSG will commit to partner with the companies to meet those needs as quickly as possible, where appropriate and feasible.

This building where you sit is part of the Georgia Tech Research Institute, or GTRI. It's the 21st-century version of a program the Regents and Georgia's legislators started in 1934, when it was called the State Engineering Experiment Station. GTRI employs more than 1,600 people and last fiscal year obtained more than \$300 million in research contracts with more than 200 industrial and governmental clients.

We're also very proud of the Enterprise Innovation Institute (EI²), Georgia Tech's primary business outreach organization. EI² works with more than 2,500 organizations to provide training, education and connections to Georgia Tech resources and partner organizations.

Georgia Tech's main product is well-educated students. Because we have a sterling reputation as an important research institution, we attract faculty, undergraduates, and graduate students of high quality. A Georgia Tech education is one of the best investments a young person can make. According to Payscale.com's annual college salary report, Georgia Tech is the best in our state — and among the best in the nation — for giving its graduates top earning potential over a lifetime.

But that's enough about us. Now let's get to work, and find out how we can help each other.

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Governor's High Demand Career Initiative: Tech's Existing Collaborations

Tuesday, April 15, 2014

The Georgia Manufacturing Extension Partnership (GaMEP) is a program of Georgia Tech's Enterprise Innovation Institute (EI²) and is a member of the National MEP network supported by the National Institute of Standards and Technology. With offices in nine regions across the state, the GaMEP has been serving Georgia manufacturers since 1960. GaMEP's 11 partners include the Georgia Department of Economic Development, the University System of Georgia, and the Technical College System of Georgia, all three represented here today.

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Georgia Tech and Gwinnett Tech are partners in a Health Information Technology (HIT) education initiative and in late 2011 were awarded a \$1.65 million grant to boost job creation in the field. Health information technology (HIT) is the umbrella term used to describe the comprehensive management of health information across computerized systems and its secure exchange between all users. The funding helped Georgia Tech create the Interoperability & Integration Innovation Lab to test and evaluate cutting-edge health information technology software innovations originating from industry, researchers, faculty and students, inventors, and other sources.

Georgia Tech introduced its co-op program in 1912. With approximately 4,100 students participating at more than 1,000 businesses and organizations around the world, Georgia Tech's program is currently the largest optional co-op program in the United States and has perennially been listed in *U.S. News & World Report* as one of the "Top Ten" co-op programs in America. Co-ops typically earn \$8,000-\$10,000 per work term and pay no tuition for the 12-hour audit-credit co-op course.

Collaboration is part of our Georgia Tech culture. In 2000, Georgia Tech and Emory University, a private institution also located in Atlanta, created a joint department, the Wallace H. Coulter Department of Biomedical Engineering at Georgia Tech and Emory. Focused on training leaders in biomedical engineering, the Coulter Department comprises highly collaborative innovators who emphasize translational and interdisciplinary research and bring these into the educational program.

Another example of Georgia Tech's culture of collaboration is its relationship with Children's Healthcare of Atlanta. The Institute currently has 125 collaborations with Children's to develop new products and processes that will create economic opportunity and improve quality of life.

Georgia Tech Professional Education allows working professionals and industry partners to access the expertise of our experts. From our campuses in Atlanta and Savannah, we deliver a continuum of learning: an array of educational courses, professional master's degree programs, and industry partnerships. They're available in traditional classroom formats, online, via streaming to your facility, or you can partner with Georgia Tech to create a customized course or program.

Georgia Tech has taken a leadership role in the creation and dissemination of MOOCs, or Massive Open Online Courses. In its first year of offering MOOCs, Georgia Tech enrolled more than 200,000 students, who have access to some of the best professors, course material, and opportunities for online interaction around the globe in their quest for continuous learning.

Each fall Georgia Tech holds a career fair on campus, and hundreds of employers sent representatives. Each year more than 8,500 students participate in a program by career services, and we have more than 800 on-campus visits by employers and almost 9,000 interviews. Seventy percent of Tech's students have jobs by the day they

graduate. The average starting salary for all graduates is \$63,000, and that goes up to \$65,000 for STEM fields.