

Georgia Tech



2013 K-12 and Beyond

Community Outreach Programs



An annual publication from the
Office of Government and Community Relations

www.gov.gatech.edu

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Cover Photo by Jamey Guy

Progress and Service: Investing in the Next Generation

The Georgia Institute of Technology is one of the nation's top research universities, distinguished by its commitment to improving the human condition through advanced science and technology. Helping to educate Georgia's youth in engineering and technological areas is of great importance to achieving Georgia Tech's mission of Progress and Service. By partnering with educational groups, schools, corporations, and opinion leaders throughout the state of Georgia, we are leveraging our resources to increase student engagement and performance.

Georgia Tech offers...

- programs that serve both K-12 students and teachers;
- intellectual and institutional resources to positively impact educational experiences for K-12 students;
- programs that support, motivate, and nourish students at all levels of education; and
- teacher enhancement opportunities that help develop new skills.

Important Contacts

Find general information, academic colleges and schools, and department contacts at www.gatech.edu

Office of Undergraduate Admissions

Phone: 404-894-4154

E-mail: admission@gatech.edu

Website: www.gatech.edu/admissions/

Office of Scholarships & Financial Aid

Phone: 404-894-4160

E-mail: finaid@gatech.edu

Website: www.finaid.gatech.edu

Center for Education Integrating Science, Math, and Computing (CEISMC)

Phone: 404-894-0777

Website: www.ceismc.gatech.edu

Office of Government & Community Relations

Phone: 404-894-1238

Website: www.gov.gatech.edu

Georgia Tech offers degrees in thirty-five undergraduate majors, forty-seven master's programs, and thirty doctoral programs as well as pre-professional programs in law, dentistry, medicine, teaching, pharmacy, and veterinary. Our programs of study are as diverse as the students enrolled in them. From international affairs to nuclear engineering and from business administration to computer science, one thing all our degree programs share is their focus on technology, research, and innovation. In a world where technology touches every aspect of our daily lives, Georgia Tech students are prepared for graduate or professional school and the working world. Visit www.gatech.edu to learn more about Tech's academic degree programs.

K-12 PROGRAMS

Elementary School

Arts Education Program

The Arts Education Program is a curriculum-based program offered by the Office of the Arts at Georgia Tech. Partner schools include Centennial Place Elementary, Grady High School, and Drew Charter School. The Program provides students with access to the performing arts, as well as the opportunity to interact with world-renowned artists of different genres. *Contact: 404-894-2787 | www.ferstcenter.gatech.edu*

FIRST LEGO League

This competition program introduces young people ages 9 to 14 to the fun and excitement of science and technology while building self-confidence, knowledge and life skills. The competition involves three areas: a robot challenge, a team project, and core values. In Georgia, FLL teams compete at three levels: Regional Qualifiers in early December, Super Regionals in early January and the State Competition in late January. Georgia Tech's Center for Education Integrating Science, Math and Computing (CEISMC) coordinates the state-wide program, with the state competition hosted by the Department of Electrical and Computer Engineering (ECE) and the Georgia Tech Research Institute (GTRI). To compete, teams must register with the national FIRST LEGO League organization, with a maximum of ten students per team. Registration begins in May and ends in late September. *Contact: 404-894-0777 | www.ceismc.gatech.edu/fll*

Girl Scout Outreach

An event sponsored each spring for Junior Girl Scouts by the Georgia Tech Society of Women Engineers. The scouts participate in several hands-on science and engineering activities, speeches, and a panel discussion in order to earn a badge. *Contact: Aline Graves | swevpoutreach@gmail.com | swe.gtorg.gatech.edu/outreach/girl-scouts*

Junior Jackets Fan Club

The Junior Jackets Fan Club is open to all kids under age 13 who love the Yellow Jackets! As a Junior Jacket you receive tickets to select football and baseball games, season tickets to Women's Basketball and Women's Volleyball games, monthly newsletter, Junior Jackets t-shirt, official VIP membership card with lanyard, ice cream and pizza parties with Buzz, opportunities to meet GT athletes, a birthday card from Buzz, and an opportunity to take part in the "Tunnel of Luck" on the court for Women's Basketball and Volleyball. *Contact: juniorjackets@gtaa.gatech.edu www.ramblinwreck.com/ot/geot-junior-jackets.html*

Kids Interested in Discovering Science (K.I.D.S.) Club

Georgia Tech's K.I.D.S. Club is a program designed to enhance and encourage curiosity and enthusiasm for science, math, engineering, and technology. Programs for students in grades two through five focus on hands-on discovery science. Older students in grades six through twelve and parents can explore advanced topics like iPhone app/game development. *Contact: 404-894-0777 | <https://kidsclub-ceismc.gatech.edu>*

Kids@Kollege

Kids@Kollege is an annual event for elementary school students in the Atlanta area. The purpose of the program is to excite the students about college with an emphasis on math and science. This day-long event includes arts and crafts, experiments, moon bounces, and many other fun activities! Additionally, it is lead by students and volunteers who are excited to interact with and encourage the kids. *Date: April 14, 2013 | Contact: execkatk@gmail.com*

Mobilizing Opportunities for Volunteer Experience (MOVE): City of Refuge

The MOVE CORE Committee is a tutoring and mentoring after-school program in collaboration with City of Refuge. Volunteers serve in the afternoon and work with elementary and middle school students. This program operates outside of the classroom environment and includes field trips for the students and tutors. *Contact: Sarah Cantrell Perkins 404-894-1197 | sarah.perkins@vpss.gatech.edu | <http://move.gatech.edu/>*

Mobilizing Opportunities for Volunteer Experience (MOVE): Techwood Tutorial Project

The Techwood Tutorial Project (TTP) is a volunteer program that pairs Georgia Tech students with children from local elementary schools for weekly one-on-one tutoring. TTP also plans a group outing for tutors and their tutees during the semester. These outings promote the friendship and mentoring that is a vital part of our program. *Contact: Sarah Cantrell Perkins 404-894-1197 | sarah.perkins@vpss.gatech.edu | <http://move.gatech.edu/>*

K-12 PROGRAMS

Middle School

AMP-IT-UP: Advanced Manufacturing and Prototyping Integrated To Unlock Potential

This initiative is a National Science Foundation Math and Science Partnership to promote workforce development and to identify and cultivate the next generation of creative STEM innovators. The initiative will introduce about 5,100 Griffin-Spalding County students in grades six through nine to advanced manufacturing learning experiences, such as working with robots and creating items using computer design and 3-D printers. *Contact: Dr. Marion Usselman | 404-894-9673 | www.ceismc.gatech.edu/ampitup*

FIRST LEGO League

This competition program introduces young people ages 9 to 14 to the fun and excitement of science and technology while building self-confidence, knowledge and life skills. The competition involves three areas: a robot challenge, a team project, and core values. In Georgia FLL teams compete at three levels, Regional Qualifiers in early December, Super Regionals in early January and the State Competition in late January. Georgia Tech's Center for Education Integrating Science, Math and Computing (CEISMC) coordinates the state-wide program, with the state competition hosted by the Department of Electrical and Computer Engineering (ECE) and the Georgia Tech Research Institute (GTRI). To compete, teams must register with the national FIRST LEGO League organization, with a maximum of ten students per team. Registration begins in May and ends in late September. *Contact: 404-894-0777 | www.ceismc.gatech.edu/fll*

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The Junior Jackets Fan Club is open to all kids under age 13 who love the Yellow Jackets! As a Junior Jacket you receive tickets to select football and baseball games, season tickets to Women's Basketball and Women's Volleyball games, monthly newsletter, Junior Jackets t-shirt, official VIP membership card with lanyard, ice cream and pizza parties with Buzz, opportunities to meet GT athletes, a birthday card from Buzz, special offers throughout the year and an opportunity to take part in the "Tunnel of Luck" on the court for Women's Basketball and Volleyball. *Contact: JuniorJackets@gtac.gatech.edu | www.ramblinwreck.com/ot/geot-junior-jackets*

Middle School Outreach

The Georgia Tech Society of Women Engineers Middle School Outreach program is a one-day event hosted each semester. The girls have an opportunity to work in groups on engineering related activities and learn about the different types of engineering. They hear from female students and gain a better understanding of what engineering is and be excited to be involved in it. *Contact: Aline Graves at swevpoutreach@gmail.com | swe.gtorg.gatech.edu/outreach/middle-school*

Mobilizing Opportunities for Volunteer Experience (MOVE): City of Refuge

The MOVE CORE Committee is a tutoring and mentoring after-school program in collaboration with City of Refuge. Volunteers serve in the afternoon and work with elementary and middle school students. This program operates outside of the classroom environment and includes field trips for the students and tutors. *Contact: Sarah Cantrell Perkins 404-894-1197 | sarah.perkins@vpss.gatech.edu | <http://move.gatech.edu>*

Science Learning Integrating Design, Engineering & Robotics (SLIDER)

Using “backwards design” strategies, the SLIDER curriculum development team at CEISMC will create inquiry-based engineering design instructional materials for eighth grade Physical Science that use robotics as the learning tool and that are aligned with the Georgia Performance Standards (GPS). The materials will employ problem-based challenges that require students to design, program, investigate, reflect, and then revise their product or solution. They will consist of three four-to-six week modules that cover the physics concepts of Mechanics (force, motion, simple machines), Waves (lights, sound, magnetism, electricity, heat) and Energy. *Contact: Dr. Marion Usselman | www.ceismc.gatech.edu*

Introduce a Girl to Engineering (IAG)

In celebration of National Engineering Week, Georgia Tech’s Women in Engineering (WIE) Program in collaboration with several local engineering firms, hosts a Saturday program each February called “Introduce A Girl (IAG) to Engineering” for middle school girls in sixth through eighth grade. The program includes hands-on activities, booths by local engineering organizations, and a luncheon with a panel of current Georgia Tech students as well as engineering trivia and a STEM summer camp scholarship program. Registration opens online in November. *Contact: Ann Blasick | ann.blasick@coe.gatech.edu | www.coe.gatech.edu/content/introduce-girl-engineering*

K-12 PROGRAMS

High School

AMP-IT-UP: Advanced Manufacturing And Prototyping Integrated To Unlock Potential

This initiative is a National Science Foundation Math and Science Partnership to promote workforce development and to identify and cultivate the next generation of creative STEM innovators. The initiative will introduce about 5,100 Griffin-Spalding County students in grades six through nine to advanced manufacturing learning experiences, such as working with robots and creating items using computer design and 3-D printers. *Contact: Dr. Marion Usselman | 404-894-9673 | ceismc.gatech.edu/ampitup*

Engineering Career Conference (ECC)

This one-day event sponsored by Women in Engineering (WIE) allows prospective female students the opportunity to hear directly from Georgia Tech's world-renowned faculty and current Tech students about the eleven engineering majors offered at Georgia Tech. Attendees have the chance to meet with a Georgia Tech admissions counselor to find out about admissions processes and academic requirements to be successful in engineering undergraduate programs. The day also includes lunch, icebreakers, and engineering trivia. Registration opens online in August. *Contact: Ann Blasick | ann.blasick@coe.gatech.edu | www.coe.gatech.edu/content/engineering-career-conference-ecc*

First Robotics Competition

Teams of high school students design, build, and operate robots constructed to face a challenge posed by the competition organizers, then use their creations to face-off with other schools. In addition to teaching students engineering skills through "doing," the competition fosters cooperation and teamwork, and builds bridges between students from many different regions and backgrounds. *Contact: Jordan Mazaira | jmazaira3@gatech.edu | www.robojackets.org*

Georgia Tech High School Mathematics Competition (HSMC)

The HSMC is open to students enrolled in grades 8-12 and combines challenging examination in mathematical problem solving and reasoning with the opportunity for a fun day at Georgia Tech. *Contact: 404-894-0777 | ceismc.gatech.edu*

Georgia Tech Engineering Design Challenge

Twice during the academic year, the Engineering Education Outreach Office hosts the Georgia Tech Engineering Design Challenge, which is designed to give high school students the opportunity to use mathematics, science, technology, and engineering situations. *Contact: Jackie Cox | 404-385-3662*

Society of Women Engineers

Georgia Tech's Society of Women Engineers (SWE) annually hosts a one-day engineering outreach event, targeted for females in grades nine through twelve who are interested in math or science. High school girls will be introduced to various engineering majors and career options and are encouraged to pursue interests in math, science, and engineering. The event features campus tours, hands-on experiences, and one-on-one meetings with current female engineering students. *Contact: Aline Graves | swevpoutreach@gmail.com | swe.gtorg.gatech.edu/outreach/high-school*

MOVE: Tech Enriching Atlanta Community High schools

The MOVE TEACH Committee tutors at Henry Grady High School and at Create Your Dreams, a youth development program in Northwest Atlanta. At Grady, students provide tutoring support for Mathematics. At Create Your Dreams, students provide tutoring services on topics including calculus, chemistry, biology, physics, and other subjects as needed. *Contact: Sarah Cantrell Perkins | sara.perkins@vps.gatech.edu | 404-894-1197 | <http://move.gatech.edu>*

Leadership for Tomorrow

Leadership for Tomorrow is a program offered by Georgia Tech's Luminary Academy that works to motivate, inspire, and expose under-privileged ninth graders to a variety of careers where they are underrepresented. They will work with Georgia Tech students who will help them with life skills, diversity training, and career building. The program also serves special needs students with emotional trauma, learning disabilities, and mental disorders. Additionally, the Luminary Academy provides an intense SAT prep course that effectively guides students through the SAT multiple choice and essay sections. The program has increased students' scores by nearly 50 percent, based on official SAT practice test performance *Contact: Kelli Stancil | kelli@tomorrowluminaries.org*

Little SWE

This program is sponsored by the Georgia Tech Society of Women Engineers (SWE) at various Atlanta schools. Monthly meetings for high school students who are interested in engineering but do not have the resources to understand what engineering is all about. Presentations and engineering-related experiments help encourage these students to keep an open mind in pursuing an engineering degree. Weekly meetings are also held to help the students design for and compete in a national high school engineering design competition. *Contact: Aline Graves | swevpoutreach@gmail.com | swe.gtorg.gatech.edu/outreach/little-swe*

SAT Prep

The African American Student Union (AASU) offers a SAT Prep program to assist high school students in preparation for the standardized test needed to apply to college. The organization provides monthly workshops with test-taking strategies and comprehensive practice problems to help attain the best score possible on the SAT. This initiative is headed by the Special Programs Committee and serves high schools in the greater Atlanta community *Contact: aasu.specialprograms@gmail.com*

Siemens Competition

Georgia Tech hosts the Region Six Siemens mathematics, science, and technology competition where high school students vying for college scholarships compete for a spot in the finals. *Contact: 404-894-0777 | ceismc.gatech.edu*

K-12 PROGRAMS

All Grade Levels

Believe our Purpose, Share Our Plan (BOPSOP)

BOPSOP partners with Tryscope Afterschool Program at Magnolia Park Apartments to engage in both tutoring and mentoring activities through homework help and crafts that focus on growth in all aspects of life. *Contact: Lior Koren | lkoren3@gatech.edu*

English Avenue Youth Enrichment Program (YEP)

YEP is dedicated to building connections between Georgia Tech and the youth of the English Avenue through problem-based learning programs held each Friday at the Bellwood Boys & Girls Club. *Contact: Isabelle Recaborde | isarecab@gmail.com*

MOVE: Children's Restoration Network Committee

The MOVE Children's Restoration Network (CRN) Committee is a new program that focuses on tutoring and mentoring children who are homeless and living in shelters in the Atlanta area. *Contact: Joyce Wong | jwong32@gatech.edu | move.gatech.edu*

Pre-Collegiate Development

This initiative includes the Georgia Tech Engineering Design Challenge, GT Engineering Explorations (GTEE), and the LEAD Summer Engineering Institute at Georgia Tech. *Contact: Jackie Cox | 404-385-3662 | www.coe.gatech.edu/content/pre-collegiate-development*

In-School Lectures from the School of History, Technology & Society (HTS)

Historians and sociologists in the School of History, Technology and Society provide in-school lectures to K-12 instructors and students on a wide range of themes, including American and world history (i.e., Europe, Latin America, the Middle East, etc.), gender, race, social class, politics, urban areas, and the incorporation of the history/sociology of science, technology, and medicine. *Contact: Amy D'Unger | amy.dunger@hts.gatech.edu*

Young Engineer's Day

This day is to celebrate Georgia's K-12 student engineers and provide an opportunity for them to showcase their work on a theme based annual design challenge. The design challenge is based on engineering for social consciousness, and allows teams of student to plan, design, and present a solution for a problem that affects their immediate surrounding or those of other identified countries. *Contact: Jackie Cox | 404-385-3662*

Pre-College Initiative (PCI)

The Pre-College Initiative (PCI) Program is designed to stimulate the interest in science, technology, engineering, and mathematics (STEM) fields. The goal is to encourage students in grades K–12 to attend college and pursue technical degrees. The PCI Program provides activities to help students discover firsthand how engineering and technology relate to the world around them and discover the excitement of academic excellence, leadership, technical development, and teamwork. *An annual Pre-College Initiative Day is held in November. Contact: gtsbe.pci@gmail.com | www.gtsbe.org/site/communityservice*

Technical Out Reach Community Help (TORCH)

Through the T.O.R.C.H. Community Service Initiative, Georgia Tech Society of Black Engineers works with underserved communities to bridge the digital divide, with a TORCH center at the Harland Boys and Girls club as well as community service projects throughout the year. At the Harland Boys and Girls club GTSBE members have the opportunity to work with middle school youth on engineering and computer aided projects. *Contact: gtsbe.torch@gmail.com | www.gtsbe.org/site/communityservice*

BEYOND K-12 Undergraduate

K-12 Mentoring Programs

All programs under the CEISMC Mentoring Program operate with a similar goal: to improve performance and proficiency by providing tutors and mentors for schools in the Atlanta area. In general, tutors and mentors are assigned to particular students and are asked to assist them with their studies. Tutors and mentors work with individual students or a small group of students at the school site. Our hope is that tutors and mentors work with the same children throughout the academic year in order to forge a strong “learning partnership.” *Contact: 404-894-0777 | ceismc.gatech.edu/cmp*

OMED: Educational Services

OMED is a Georgia Tech Educational Services unit charged with the academic performance, retention and development of the complete student learner who is traditionally underrepresented (African Americans, Hispanic, and Native Americans) in the science, technology, engineering and math fields (STEM). This development is intended to ensure that these gifted, yet inexperienced, students become inspired, high-performing problem solvers. OMED Programs, while targeted to the underrepresented student, are beneficial and open to all Georgia Tech students. *Contact: Cynthia Moore | cynthia.moore@omed.gatech.edu | 404-894-4141*

Team Coach

OMED's Team Coach is a peer mentoring program that supports Tech freshmen, dual degree, and transfer students academically and socially throughout their first year. Upperclassmen, serving as coaches, mentor participants as they acclimate to the new responsibilities and challenges of Georgia Tech. *Contact: Cynthia Moore | cynthia.moore@omed.gatech.edu | 404-894-4141*

Women in Electrical and Computer Engineering (WECE)

Women in ECE (WECE) is a student run organization within the School of Electrical and Computer Engineering. The objective of WECE is to help educate, support, and develop female engineers through personal and professional development workshops, philanthropic activities, and social events. WECE helps create a community where women can seek friendship, support, and advice regarding their academic, professional, and personal lives. *Contact: wece@ece.gatech.edu | www.wece.gtorg.gatech.edu*

BEYOND K-12 Graduate

Facilitating Academic Careers in Engineering and Science (FACES)

Facilitating Academic Careers in Engineering and Science (FACES) is a National Science Foundation (NSF)-sponsored effort between Georgia Tech, Morehouse, Emory University and Spelman.* Its aim is to increase the number of African Americans attaining doctorates in engineering and science. The ultimate goal of the FACES program is to alter the “face” of the engineering and science professoriate, such that it includes a greater number of African Americans. *(NSF sponsorship concludes September 2013). *Contact: Reginald Desroches | 404-385-0402*

FOCUS

The main goal of FOCUS is to give prospective minority graduate students – and any student who will find the program beneficial- an opportunity to visit Georgia Tech and Atlanta, receive an overview of the graduate degree programs, and network with current graduate students and faculty members. *Contact: Vice Provost for Academic Diversity | 404-894-3959*

BEYOND K-12 Teachers

Foundations for the Future

This program is a collaboration of academic researchers working with the support of key agencies and educators to support learning/training expertise for K-12 educators to help improve the integration and use of technology across Georgia. *Contact: Jessica Pater | jessica.pater@gtri.gatech.edu | 404-407-6790*

Georgia Intern Fellowships for Teachers (GIFT)

GIFT provides paid summer STEM internships for middle and high school science, mathematics, and technology teachers. Teachers spend four-to-seven weeks experiencing first-hand how industrial scientists and researchers approach problems, design experiments, interpret data, communicate findings, and develop and implement workplace solutions. *Contact: 404-894-0777 | ceismc.gatech.edu/gift*

Institute for Computing Education (ICE)

ICE aims to increase the quantity and quality of computing teachers and the quantity and diversity of computing students. ICE offers workshops for teachers, a lending library, summer camps for fourth - twelfth grade students, competitions, and weekend workshops with youth-serving organizations. *Contact: Barbara Ericson | 404-385-2107 | www.cc.gatech.edu/ice/*

SECME, Inc.

SECME is a strategic alliance spanning sixteen states and designed to prepare and recruit more underrepresented students for majors and careers in science, technology, engineering, and mathematics through enhanced classroom instruction and extracurricular programs. SECME students participate in a variety of campus-based activities, outings and engineering/STEM competitions. *Contact: Michele Williams 404-894-3325 | www.secme.org*

In-School Lectures from the School of History, Technology & Society (HTS)

Historians and sociologists in the School of History, Technology and Society provide in-school lectures to K-12 instructors and students on a wide range of themes, including American and world history (i.e., Europe, Latin America, the Middle East, etc.), gender, race, social class, politics, urban areas, and the incorporation of the history/sociology of science, technology, and medicine. *Contact: Amy D'Unger | amy.dunger@hts.gatech.edu*

NASA Electronic Professional Development Network (ePDN)

The ePDN program brings together multiple partners to develop effective electronic professional development courses for use in NASA programs and by STEM teachers across the nation. *Contact: Marion Usselman | 404-894-9673 | ceismc.gatech.edu/epdn*

YOUTH SUMMER PROGRAMS

Boys and Girls Swimming Camp

Coach Courtney Hart will focus on improving all aspects of young competitive swimmers. *Contact: Courtney Hart | 404-894-9736 | www.goldmedaljacketswimming.com*

Boys and Girls Tennis Camp

Boys and girls can sharpen their tennis skills or learn the basics with head coaches Kenny Thorne and Rodney Harmon. The camp will be held in the brand new Byers Tennis Complex. *Date: June 2013. Contact: Ethan Shapiro | 404-894-5410 | www.yellowjackettenniscamp.com*

Boys Baseball Camp

Coach Danny Hall and his staff work to improve the skill level of every camper by teaching skills and drills similar to those that have made Tech players some of the best in the United States. *Dates: June-August 2013. Winter camps also TBA. Contact: Ethan Shapiro 404-894-5410 | www.dannyhallbaseballcamp.com*

Boys Basketball Camp

Coach Brian Gregory and his staff offer both individual and team camps that will help develop the basketball skills of each participant. *Dates: June 2013. Ethan Shapiro | 404-894-5410 | www.briangregorybasketballcamp.com*

Boys Golf Camp

Coach Bruce Hepler and members of the Georgia Tech Men's Golf Team will expose young golfers to basic and advanced techniques of competition. *Date: June 2013. Contact: Ethan Shapiro | 404-894-5410 | www.yellowjacketgolfcamp.com*

Career Discovery in Architecture

This camp will be run by Georgia Tech faculty and Atlanta architects. We'll draw and build in the College of Architecture's Design Studio, and take field trips to an award-winning architectural firm and a local construction site. Campers will leave with an understanding of the path to a career in architecture, as well as a design project ready for inclusion in their own portfolio. *Date: June 10-14, 2013 | Rising tenth through twelve graders | Contact: Ann Gerondelis | ann.gerondelis@coa.gatech.edu | www.coa.gatech.edu/coa/outreach*

Challenge

Organized by the Office of Minority Educational Development (OMED), Challenge is a five-week, intensive program held every summer for incoming Georgia Tech freshman. Students take core courses to simulate a typical students' freshman year, allowing students to understand pitfalls that may occur in their first year. *Contact: Cynthia Moore | 404-894-4141 | cynthia.moore@omed.gatech.edu*

Cheerleading Camp

Katie Hodges and her staff offer cheerleading camps and clinics for all ages, including kiddie camps for four through ten year olds and college prep clinics for high school students. *Contact: Ethan Shapiro | 404-894-5410 | www.stingerspirit.com*

Institute for Computing Education (ICE)

ICE is a partnership between the Georgia Department of Education and the College of Computing at Georgia Tech. The goals for ICE are to increase the number of qualified computing teachers in Georgia (especially CS-AP teachers) and to increase the number and diversity of computing students in Georgia. Summer programs for 2013 include: Advanced Creating Music with EarSketch; App Inventor and Telepresence Robotics; Art and Movement with We Do and Scratch; Artificial Life Forms with LEGO NXT and Alice; and Beginning Creating Music with EarSketch. *Visit <http://coweb.cc.gatech.edu/ice-gt/> for complete listing of programs, dates, and costs. Contact: ice.programs@cc.gatech.edu*

Georgia Tech Office of the Arts

In 2013 the Office of the Arts at Georgia Tech offers two camp experiences: a one-week Musical Theatre Camp Intensive and a two-week Drama Camp.

In the Musical Theatre Camp, June 10-14, 2013, campers ages 8-14 learn to use their voices and bodies as instruments of expression as well as tools for theatrical character development. In the two-week Drama Camp, June 17-28, 2013, campers ages 8-14 are introduced to the many aspects of theater and performance. The camp offers workshops on Acting, Technical Theatre, Musical Theatre, Comedy Improvisation and more. Both camps end with a big show where the campers will perform for their friends and families. *Contact: Jenna Farmer | jfarmer@ferstcenter.org | 404-385-4219 | www.ferstcenter.org*

Football Camp

The Georgia Tech football coaching staff will host a camp focusing on the fundamentals of positions, helping to improve the players' skills. There will be three one-day camps for rising 9th-12th graders (all positions), one 1-day camp for kickers/punters/long snappers and one 1-day camp for rising first through rising eighth graders. *Contact: Teri Anton | tanton@athletics.gatech.edu | www.ramblinwreck.com*

Girls Basketball

Coach MaChelle Joseph and her staff will help develop the skills of each camper in a fun, safe environment. Website: www.machellejosephbasketballcamp.com *Dates: June-August 2013. Contact: Ethan Shapiro | 404-894-5410*

Hands-On Tech (HOT) Days @ GT

The Hands-On-Tech (HOT) Days @ GT camp is a one-week long summer enrichment program designed to introduce Georgia high school students to Electrical and Computer Engineering (ECE) concepts. Program attendees are exposed to a wide variety of hands-on activities, including building a computer, working with robots, using music synthesis technology, building simple digital logic circuits, constructing a speaker from common household parts, and tours of various research labs. Contact: Leyla Conrad | leyla.conrad@ece.gatech.edu | www.ece.gatech.edu/academics/outreach/hot-days

Industrial Design: Designing the World Around You!

Appliances, phones, tools, bikes, and many more products emerge through the creative thinking and making of Industrial Designers. Campers enjoy drawing and modeling to test design ideas and leave with a new understanding of this exciting profession, and a design project ready for inclusion in their own portfolio. *Dates: June 10-14, 2013 | rising seventh through ninth grades | Contact: Ann Gerondelis | ann.gerondelis@coa.gatech.edu | www.ceismc.gatech.edu/summerprograms*

Softball Camp

Girls can learn fundamentals or enhance their skills under the instruction of Head Coach Sharon Perkins and her staff. *Dates: June-July 2013 | www.sharonperkinsoftballacademy.com*

The Summer Teacher Experience in Program (STEP-UP)

The Summer Teacher Experience in Program – Utilizing Physics is a six-week comprehensive research experience for up to six Metro Atlanta high school physics teachers per summer. The objective is to train participating teachers in both modern physics concepts and their applications to engineering as well as their relevance to today's technology. *Contact: Leyla Conrad | leyla.conrad@ece.gatech.edu | www.ece.gatech.edu/academics/outreach/step-up*

Technology, Engineering, and Computing (TEC) Camp

TEC Camp is a hands-on, non-residential, week-long camp designed to offer rising seventh and eighth grade girls an early introduction to the world of technology, engineering and computing. The goal of TEC Camp is to inspire middle school girls to consider college majors and careers in these important fields. The format is highly interactive and designed to address the specific interests of middle school students. This camp is hosted by GT's Women in Engineering (WIE) program. *Date: June 2013 TBA. Online registration begins March. Contact: Ann Blasick | ann.blasick@coe.gatech.edu | www.coe.gatech.edu/content/tec-camp*

Volleyball Camp

Coach Tonya Johnson and her staff will work to improve camper's individual skills in all areas of the game. *Date: July 2013 TBA | Contact: Ethan Shapiro | 404-894-5410 | www.yellowjacketvolleyballcamp.com*

Wounded Buzz Sports Medicine Camp

Wounded Buzz is for high school students who are assisting or want to assist their school's athletic trainer in the care and treatment of athletic injuries. *Date and other details TBD. Contact: Paul Wolkoff | pwolkoff@athletics.gatech.edu | 404-894-8122 | www.ramblinwreck.com*

CEISMC Summer P.E.A.K.S. (Programs for Enrichment and Accelerated Knowledge in STEM) are hands-on, interactive learning experiences. Past topics have included Astronaut Cadet, The Chemistry of Biofuels, iPhone app/game development, and many more. You can sign up to receive email updates from Georgia Tech's CEISMC summer P.E.A.K.S. programs at www.ceismc.gatech.edu/summerprograms.

Many programs listed in this section are organized by CEISMC Summer P.E.A.K.S.

CAMPUS TOURS

High School Juniors and Seniors

Undergraduate Admission Tours

Group tours can be arranged to include an information session with an admission staff member as well as a student-led tour of our campus to suit your group's needs.

Due to the limitations of our professional staff and student tour guides, group visits are limited to school groups only. Admissions tours are for high school grades 10-12 or groups of college transfer students only. See "Non Traditional Campus Tours" for other age levels.

Group tours are not offered on weekends or during our peak processing months of November, December, February, March, or April. Reservations are mandatory for groups of more than ten. Group tours are limited to forty students). A minimum of four weeks advanced notice is required when making a reservation.

Website: www.admission.gatech.edu/visit

College-Based Tours and Info Sessions

Visit <http://www.admission.gatech.edu/visit/college-based-sessions> for contact information and links to register.

College of Architecture

Prospective undergraduate students interested in majoring in architecture or industrial design are invited to explore our facilities up-close! An information session with our academic advisor is followed by a student-led tour of studio and jury spaces, classrooms and computer labs, the design shop, the Galloway Café, and other favorite gathering spots. Sessions are held twice a month on either a Monday or Friday and will last approximately one hour.

College of Computing

What exactly is computing? Don't just hear about it, experience it! Join the College of Computing for an interactive and informative session lead by instructional and administrative staff as well as students. Sessions take place Mondays, except holidays, at 3:45 p.m. in room 345 of the College of Computing building. The session typically lasts an hour.

College of Engineering

Geared toward the prospective students looking to join the College of Engineering, this session is led by a current undergraduate engineering student. The student discusses core classes required for all engineering majors, co-op opportunities, various types of engineering, and job prospects. Typically during Fall and Spring semesters the Engineering Information Session is held Monday through Friday, except holidays and Open House days, at 12:20 p.m. in the Bill Moore Student Success Center. The session lasts about 40 minutes.

During Metro-Atlanta Spring Break weeks, April 1-12, our information sessions may take place in locations other than the Success Center and times may vary. Please be sure to check your reservation confirmation information prior to arriving on campus.

Scheller College of Business

Weekly Building Tours

The Scheller College of Business at Technology Square is the physical manifestation of a vision for the future, making the College one of the best technologically focused business schools in the nation. Every Monday, except for holidays, the College of Business offers building tours at 4:00 p.m. and information sessions at 4:45 p.m. Tours are led by current business students, and the information session is given by the Director of Undergraduate Programs at the College of Business.

Shadow Days

Shadow Days are available to highly selective high school juniors. We suggest students review the general freshmen admission criteria to determine if they are competitive for admission prior to submitting a reservation. More details and available dates can be found [here](#).

Ivan Allen College of Liberal Arts

The Ivan Allen College tour is designed to give prospective students a glimpse of how we merge a liberal arts education into the larger science and technology-centered context of Georgia Tech and the world beyond (from Economics, History, and International Affairs to Languages, Literature, Digital Media, and Public Policy). Information sessions and tours are offered throughout the year on Tuesdays from 3:00 p.m. to 4:30 p.m. Additional tours are also offered during special days such as Martin Luther King Day and Presidents Day and during our Shadow Day visitation program.

College of Sciences

Students interested in Math and Science (Biology, Biochemistry, Chemistry, Earth and Atmospheric Sciences, Physics and Psychology) are invited to attend a short information session about our majors and co-curricular opportunities followed by a tour of the new state of the art introductory science labs in the Clough Undergraduate Learning Commons. The tours and info sessions are offered every other week on Mondays.

CAMPUS TOURS

K-12 and Community

Distance Learning Laboratory

Tour a television studio and equipment for teleconferencing, Maximum five to fifteen students. | Grades eight to twelve | Contact: George Wright | 404-894-6921.

Earth & Atmospheric Science

Tour environmental labs doing research in air and water quality. Tours are limited to two per semester and require four weeks advance notice; maximum of 50 students per visit. *Age five through twelve* | Contact: Kathy Plummer | 404-894-3890 | www.eas.gatech.edu/forms/k12/school_visit/

Food Processing

Learn how technology is transforming the food processing and poultry industries in our 4,370 sq.-ft. high-bay prototyping area with demonstrations of robotic, information technology, and environmental systems for food and poultry processing. *Maximum of twenty to thirty students* | *Grades eight through twelve* | Contact: Kristi Campbell | 404-407-8822

Nanotechnology Research Center

Introduce students to nanotechnology through lectures, hands-on activities, demonstrations, and clean room tours. *Maximum of thirty five students* | *Grades five through twelve* | Contact: Joyce Palmer | 404-385-3456 | nrc.ien.gatech.edu/education

Non-Traditional Campus Tours

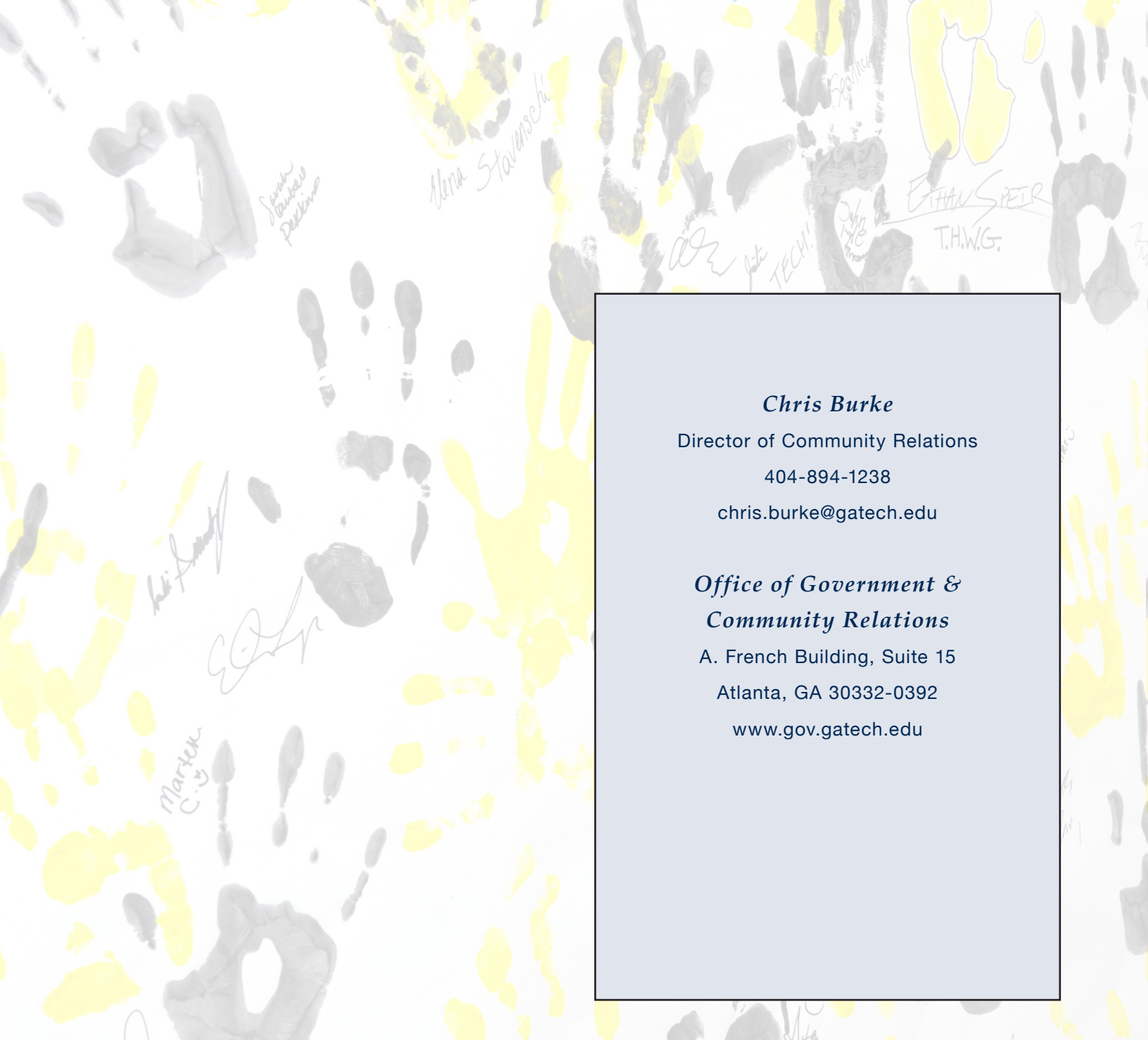
Tour Georgia Tech's campus and see the historic landmarks, dorms, and facilities. *Groups of twenty five or fewer* | *Grades: six through eight.* Contact: Shondra Carter | 404-385-8368

Robert C. Williams Paper Museum

The Robert C. Williams Paper Museum is an internationally renowned resource on the history of paper and paper technology. Three different tours available, including the *Paper in Our World* tour to discover the art, science, and history of paper and papermaking; the *Paper Travel* tour following papermaking from ancient China to the advanced technology of today; and the *Paperworks* tour which includes a hands-on papermaking workshop. Contact: Virginia Howell | 404-894-572 | For age ranges and admission rates and more information visit http://www.ipst.gatech.edu/amp/education/museum_guided_tours.htm

Workplace Health & Safety

Demonstrate equipment used to evaluate workplace hazards such as excessive noise, air pollution, and mechanical and electrical hazards. *Up to thirty students* | *Two sessions per year* | Contact: Jenny Houlroyd | jenny.houlroyd@gtri.gatech.edu | 404- 407-8089



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