

## SUMMER YOUTH PROGRAMS

### *Elementary School*

#### **Write On! Summer Camp 2009**

**Ages:** 8-11, rising 3<sup>rd</sup> – 5<sup>th</sup> graders

**Program Date:** 6/15/2009 **Location:** 106A Crosby Hall

**Time:** 8:00 AM – 3:00 PM

**Program Director:** Samantha Hargrove Email: samhargrove@hotmail.com

**Phone:** 336-965-2042

**Registration Deadline:** June 5, 2009

**Program Cost:** \$120 (camp fee) \$20 (registration fee)

**Program Description:** The Write On! Summer Camp is a week-long camp designed to enhance writing and grammar skills, and build vocabulary, all in a fun and interactive setting. Essay writing techniques are taught and students enjoy workshops with local writing professionals (poet, journalist, short story writers and commercial writer) each day.

#### **NC A&T Basketball Camp**

**Ages:** 7-14 years

**Date:** TBA

**Program Cost:** \$100

**Registration Deadline:**

**Contact:** Coach Scott Ballwage Phone: 336-334-7689 Email: [s Bollwa@ncat.edu](mailto:sbollwa@ncat.edu)

**Description:** A one-week camp designed to introduce and enhance basketball technique and skills.

#### **For the Love of Computing and Music (FULL)**

**Ages:** 6 – 12<sup>th</sup> grade

**Date:** 6/15 – 19/09, 6/22 – 26/09, 7/6 – 10/09, 7/13 – 17/09, 7/20 – 24/09, 7/20 – 24/09 or 7/27 – 7/31/09

**Program Cost:** \$0

**Registration Deadline:** June 1

**Contact:** Dr. Gerry Vernon Dozier, Kevin Moore, Marcus Hicks and James Harvey

Phone: 334-7245 ext 467 email: [c2htechnology@gmail.com](mailto:c2htechnology@gmail.com)

website: [www.eng.ncat.edu/dept/cs/](http://www.eng.ncat.edu/dept/cs/)

Application website:

[www.eng.ncat.edu/dept/cs/PDF/2009SummerCampRegForm/CampRegistrationForm.pdf](http://www.eng.ncat.edu/dept/cs/PDF/2009SummerCampRegForm/CampRegistrationForm.pdf)

**Description:** This summer camp introduces students to Music via Computing. Students will learn how to use Computer Technology to develop recordings within their favorite music genre. Students will also be introduced to the area of Computer Science known as Computational Hip-Hop and will design, develop and engineer Hip-Hop that has uplifting, positive, and inspirational messages. This one week camp will be offered for six weeks at no charge.

## *Middle and High School*

### **Energy Engineer Starter Program (EESP)**

**Ages:** 12-17

**Program Date:** June 15 -26, 2009

**Program Director:** Venetia L. Fisher Email: frseng@ncat.edu

**Phone:** 336-256-2406

**Registration Deadline:** May 15, 2009, also early registration special

**Requirements:** Rising 7th graders through 11th graders

**Program Cost:** \$200 (subject to change)

**Program Description:** To introduce students to building design concepts, energy efficiency and water conservation, and alternative energy and fuel sources along with hands-on activities and related field trips. The program is geared toward identifying students with an interest, aptitudes in learning about these issues as they relate to engineering.

### **Higher Learning Institute**

**Ages:** 16-18 (Rising High School Juniors, Seniors and Incoming Freshmen)

**Program Date:** TBA

**Program Director:** Sharon Criner

**Phone:** 336-334-7607

**Registration Deadline:**

**Requirements:** Students must have a 2.8 GPA, be in good standing with their school and community, and a well rounded individual.

**Program Cost:** \$2200 in-state resident; \$4500 non-state resident (cost includes, tuition, fees, housing, meals, registration fee, textbooks, workshops, and ticket admissions for off campus activities)

**Program Description:** The Higher Learning Institute (HLI) is for high school aged (16-18 yrs old students interested in a unique opportunity consisting of five weeks of challenging academic coursework; exciting outdoor activities, and adventures; unforgettable recreational social and /or cultural activities, and a passion to learn and enrich your knowledge in life skills. HLI offer high school students the rare opportunity to “taste” college life on a smaller scale yet reap the benefits of a full-time college student while in an organized and supervised environment. You will live on campus, take up to seven (7) credit hours, which are banked until you officially enter college; meet new people from all over the world and make new friends. This “head start” eases the transition from high school to college and allows development in time management, improve study skills, boosts self-confidence and independence. It will help eliminate pre-college anxiety for both student and parent and the confidence acquired will improve overall success of you college career.

### **NOAA-ISET Climate and Weather Camps**

**Ages:** 13-18 High School

**Program Date:** July 20-24, 2009

**Time:** 8:00 AM - 5:00 PM

**Program Director:** Dr. Solomon Bililign bililign@ncat.edu  
Sheila McDaniel sdmcdan1@ncat.edu

**Phone:** 336-285-2336

**Registration Deadline:** June 1, 2009

**Requirements:** Interest in Math, Science and Computers

**Program Cost:** \$60

**Website:** <http://www.noaaiset.org/opportunities/summercamps.php>

**Program Description:** Participants will perform a variety of hands-on experiments and computer simulations to learn about weather and climate forecasting. They will research a weather phenomenon of their choice and make a presentation on it. Participants will take home a tape of their television forecast. Careers in meteorology will be explored. Presenters will include faculty from NOAA Interdisciplinary Scientific Environmental Technology Cooperative Science Center, NOAA researchers, and meteorologists. The program will run each day from 8:00 am to 5:00 pm

### **NC A&T Basketball Camp**

**Ages:** 7-14 years

**Date:** TBA

**Program Cost:** \$100

**Registration Deadline:**

**Contact:** Coach Scott Ballwage Phone: 336-334-7689 Email: [smbollwa@ncat.edu](mailto:smbollwa@ncat.edu)

**Description:** A one-week camp designed to introduce and enhance basketball technique and skills.

### **Research Apprentice Program (RAP)**

**Ages:** 17-18

**Program Date:** June 29 – July 24, 2009

**Program Director:** Kishaa Dosunmu Email: [kdosunu@ncat.edu](mailto:kdosunu@ncat.edu)  
Carolyn Turner Email: [turnerc@ncat.edu](mailto:turnerc@ncat.edu)

**Phone:** 336-256-2062

**Registration Deadline:** February 27, 2009

**Requirements:** High School Juniors & Seniors

**Program Cost:** \$0.00

**Program Description:** RAP is a four-week residential program for current high school juniors and seniors. Its main objective is to stimulate interest in careers in the food, agricultural, family and consumer sciences. Through the program, students will gain first-hand experience in research conducted under the direction of SAES research scientists. The research projects range from landscape architecture to fashion

merchandising and design. RAP Students also gain exposure to a number of structured activities, including field trips, workshops and laboratory demonstrations, instruction on computer applications, technical and scientific writing and public presentations.

### **Summer High School Transportation Institute**

**Ages:** Rising Juniors and Seniors

**Program Date:** TBA

**Program Director:** Deborah Underwood Email: [deborahu@ncat.edu](mailto:deborahu@ncat.edu)

**Requirements:** 2.5 GPA or better, essay and two letters of recommendation

**Program Cost:** \$0.00

**Program Description:** Program is a five and one half week commuter or residential (based on funding) program designed to expose high school students to careers in transportation as well as academic opportunities in transportation available at the university. Students take a free college course and receive a weekly stipend.

### **Upward Bound Program**

**Ages:** 14-17

**Program Date:** June 21 – July 29, 2009

**Program Director:** Beverly Wallace

[beverlyw@ncat.edu](mailto:beverlyw@ncat.edu)

Kevin Maxwell, Academic Coordinator

[klmaxwel@ncat.edu](mailto:klmaxwel@ncat.edu)

**Phone:** 336-334-7659 or 336-334-7985

**Requirements:** Meet the admissions requirements of Upward Bound; reside on campus during the summer program and participate in classes and activities; adhere to the rules and regulations of the program; make a commitment to participate in Upward Bound program year-round.

**Program Cost:** \$0.00

**Program Description:** Upward Bound is a federal TRIO program, sponsored by a grant from the U.S. Department of Education. The comprehensive goal of Upward Bound is to generate in its participants the skills and motivation necessary to enter and succeed in a postsecondary education program. Upward Bound serves 124 ninth, tenth, eleventh and twelfth 9th, 10th, 11th and 12th grade students from T. W. Andrews, James B. Dudley and Ben L. Smith High Schools. Services are provided year-round through a six-week summer program, a nine-month academic year program and a Bridge program for Upward Bound graduates. Services include instruction, tutoring, career exploration, personal and career counseling, academic advisement, educational programs and other enrichment activities.

### **Upward Bound Math and Science Program**

**Ages:** 14 – 17

**Program Date:** June 21 – July 29, 2009

**Program Director:** Beverly Wallace

[beverlyw@ncat.edu](mailto:beverlyw@ncat.edu)

Tijuna Faulks, Counselor

[tijuna@ncat.edu](mailto:tijuna@ncat.edu)

**Phone:** 336-334-7659 or 336-334-7985

**Requirements:** Meet the admissions requirements of Upward Bound Math and Science; reside on campus during the summer program and participate in classes and activities; adhere to the rules and regulations of the program; make a commitment to participate in the program year-round.

**Program Cost:** \$0.00

**Program Description:** Upward Bound Math and Science (UBMS) is a federal TRIO program, sponsored by a grant from the U. S. Department of Education. The comprehensive goal of UBMS is to generate in participants the skills and motivation necessary to enter postsecondary education in programs that lead to careers in *math* and *science*. UBMS serves 50 ninth, tenth, eleventh and twelfth grade students from Dalton McMichael and Reidsville High Schools in Rockingham County. Services are provided year-round through a six-week summer program, a nine-month academic year program and a Bridge program for UBMS graduates. Services include instruction, tutoring, career exploration, personal and career counseling, academic advisement, educational programs and other enrichment activities.

### **Institute for Future Agricultural Leaders (IFAL)**

**Ages:** 17-18 years

**Date:** June 14 – 19, 2009

**Registration Deadline:**

**Qualifications:** Good GPA, rising senior living in North Carolina, health information from parents, etc., as set by NCFB

**Program Cost:** No Cost

**Contact:** Dr. Antoine J. Alston Phone: 336-344-7711 Email: [alstona@ncat.edu](mailto:alstona@ncat.edu) or Brenda Searcy [bjsearcy@ncat.edu](mailto:bjsearcy@ncat.edu)

**Website:** [www.ncfb.org](http://www.ncfb.org) (click on programs, then IFAL)

**Program Description:** Students will visit the school of agriculture, tour research farm, and explore university laboratories. They will visit agribusinesses, participate in leadership development classes, tour the General Assembly, and see the offices of North Carolina Farm Bureau. Students will be supervised by conference counselors, university faculty and Farm Bureau Staff. Students will experience college life firsthand, living in dorms and eating in the dining halls on campus. The is a week-long program for high school seniors interested in the industry of agriculture with emphasis on career opportunities, emerging technology, citizenship and leadership development.

### **Students Hot On The Sciences (SHOTS)**

**Ages:** 15-17 years

**Date:** TBA

**Qualifications:** 2.8 GPA or greater, completed courses in Chemistry, Biology and Algebra II

**Registration Deadline:**

**Contact:** Dr. Goldie Byrd Phone: 336-334-7907 Email: [gsbyrd@ncat.edu](mailto:gsbyrd@ncat.edu)

**Program Cost:** \$0.00

**Program Description:** SHOTS is a six-week program for high school juniors and seniors from Guilford County schools interested in science careers and biotechnology. Students will learn research techniques, advanced Chemistry, advanced math and fundamentals of Biotechnology.

**Science and Technology Enrichment Program (STEP)**

**Ages:** 16-18 years (High School rising juniors and seniors)

**Date:** June 15 – July 24, 2009

**Qualifications:**

Interested in majoring in chemistry and/or related fields at the college level

Must be a rising junior or senior and have completed (end of current year) one year of chemistry and algebra 2 with a grade of “B” or better

SAT score of 1000 or better (ACT score of 15 or better)

GPA of 3.0 (unweighted) or better in science courses

**Application deadline:** Feb. 14, 2009

**Contact:** Dr. Jothi V. Kumar, 336-285-2234 Email: jvkumar@ncat.edu

**Program cost:** \$0.00

**STEP** is a six-week **Non-Residential** program for rising high school juniors and seniors to introduce them to college level science courses in order to prepare the next generation of scientists and scholars through an intensive “minds-on” and “hands-on” experience. Subjects include analytical chemistry, organic chemistry, biochemistry, biotechnology and scientific writing. The STEP participants also complete on-line research on a scientific topic of their interest, prepare a power-point presentation, and present their research to the STEP group as well as their parents at the end of the program. At the end of the program each year, two top students in the program will be selected as “Science Scholars” and given an opportunity to complete state of the art scientific research with a faculty mentor during the following school year. The program runs 9Am to 4 PM. Lunch will be provided at the college cafeteria. A limited stipend will also be provided. **One hundred** percent attendance is required to receive the stipend. STEP program also hires two high school science and/or technology teachers per summer and they serve as mentors for the students. A stipend will be paid for the teachers.

Go to <http://cas.ncat.edu/~chemistry/DisplayPage.php?node=298> to print out application package

**For the Love of Computing and Music**

**Ages:** 6 – 12<sup>th</sup> grade

**Date:** 6/15 – 19/09, 6/22 – 26/09, 7/6 – 10/09, 7/13 – 17/09, 7/20 – 24/09, 7/20 – 24/09 or 7/27 – 7/31/09

**Program Cost:** \$0

**Registration Deadline:** June 1

**Contact:** Dr. Gerry Vernon Dozier, Kevin Moore, Marcus Hicks and James Harvey

Phone: 334-7245 ext 467 email:gvdozier@ncat.edu

*Description:* This summer camp introduces students to Music via Computing. Students will learn how to use Computer Technology to develop recordings within their favorite music genre. Students will also be introduced to the area of Computer Science known as Computational Hip-Hop and will design, develop and engineer Hip-Hop that has

uplifting, positive, and inspirational messages. This one week camp will be offered for six weeks at no charge.

### ***Rising College Freshmen***

#### **Higher Learning Institute**

**Ages:** 16-18 years (Rising high school juniors, seniors, and college freshmen)

**Date:** TBA

**Program Cost:** \$100 non-refundable application fee \$2200 in-state resident; \$4500 non-state residents (cost includes, tuition fees, housing, meals, registration fee, textbooks, workshops, and ticket admissions for off campus activities)

**Requirements:** Student must have a 2.8 or higher GPA, be in good standing with school and community, well rounded individual.

**Registration Deadline:**

**Contact:** Sharon Criner Phone: 336-334-7606 or 1-888-323-6237 Email:

[scriner@ncat.edu](mailto:scriner@ncat.edu)

*Description:* The Higher Learning Institute (HLI) is for high school aged (16-18 yrs old) students interested in a unique opportunity consisting of five weeks of challenging academic coursework; exciting outdoor activities, and adventures; unforgettable recreational social and /or cultural activities, and a passion to learn and enrich your knowledge in life skills. HLI offer high school students the rare opportunity to “taste” college life on a smaller scale yet reap the benefits of a full-time college student while in an organized and supervised environment. You will live on campus, take up to seven (7) credit hours, which are banked until you officially enter college; meet new people from all over the world and make new friends. This “head start” eases the transition from high school to college and allows development in time management, improve study skills, boosts self-confidence and independence. It will help eliminate pre-college anxiety for both student and parent and the confidence acquired will improve overall success of you college career.

#### **HBCU –UP Talent-21 Summer Institute Program**

**Ages:** Incoming Freshmen

**Date:** June 25 – August 31, 2009

**Qualification:** GPA of 3.00 or better and SAT in math 550 or better

**Program Cost:** \$250 non-refundable application/processing fee (Make check payable to: NC A&T State University)

**Registration Deadline:** April 15, 2009

**Contact:** Candy Carter Phone: 336-256-0805 Email: [candy@ncat.edu](mailto:candy@ncat.edu)

**Program Description:** This program is funded by the National Science Foundation’s Historically Black College and University for Undergraduate Program (HBCU-UP). This

six-week residential program will allow students to earn course credits, to get ahead in their curriculum, and gain a broad view of the science and engineering possibilities through exploration and investigative projects. The goal of the program is to expose incoming freshmen to calculus I, critical thinking and analytical reasoning courses for credit and other mini-course work to encourage them to consider future research opportunities as well as a jump-start to a smooth transition to campus-life. Faculty trained in inquiry-based pedagogies will be supported to teach the courses and use the summer institute as a teaching and learning research laboratory. The program serves entering freshmen.

### **ELITE Summer Bridge Institute**

**Ages:** Freshmen

**Date:** TBA

**Qualification:** SAT of 450 and above

**Contact:** Dr. Leotis Parrish Phone: 336-334-7589 Email: [parrishl@ncat.edu](mailto:parrishl@ncat.edu)

**Program Cost:** \$0.00

***Program Description:*** The College of Engineering offers a summer bridge institute for rising freshmen. This is a five-week summer residential program in which students enroll in a pre-calculus course along with freshmen survival courses. The ELITE Summer Bridge Institute is held during the second session of summer school. Students are expected to adhere to a rigorous schedule throughout their stay. Representatives from both the Center of Academic Excellence and the Office of Career Services, conduct workshops on personal and career development. Students participating in the ELITE Summer Bridge Institute also participate in a weekly Toastmasters meeting. In addition to the rigorous coursework, students also receive an opportunity to visit local corporations. Selections are selected from a pool of students who have math SAT score of 500 and above. Students who successfully complete the program will earn college credit for the math course.

### **Upward Bound Bridge Program**

**Ages:** High School and UVMS High School Graduates

**Date:** June 25 – August 3, 2009

**Contact:** Beverly Wallace Phone: 336-334-7659 or 7985 Email: [beverlyw@ncat.edu](mailto:beverlyw@ncat.edu)

**Program Cost:** \$0.00

***Program Description:*** The Bridge Program is the final phase of participation in Upward Bound and Upward Math and Science and is designed to “bridge the gap” between high school and college for UB/UBMS participants. Upward Bound seniors graduating from high school are enrolled in the second session of summer school at NC A&T State University. Students take classes in English and math (UB) or math and science (UBMS) and can earn up to 7 credits. These credits are transferable to other postsecondary institutions or can remain at A&T.

### **2009 Summer Pre-Matriculation Program**

**Ages:** Incoming Freshman

**Date:** Sunday, June 21 – Friday, July 31, 2009

**Registration Deadline:** March 31, 2009

**Application fee:** \$50.00

**Qualification:** GPA of 3.0 or better

**Program Director:** Dr. Goldie S. Byrd

**Contact:** Dana Taylor (336) 285-2164 Email: [danat@ncat.edu](mailto:danat@ncat.edu) or

Erin Easley (36) 285-2164 Email: [eewren@ncat.edu](mailto:eewren@ncat.edu)

***Program Description:*** The Department of Biology is sponsoring the “**Summer 2009 Pre-Matriculation Program.**” The primary focus of the program is to facilitate student transition into college and to increase student success in the first year of college.

This is a six week residential program that emphasizes pre-calculus, pre-chemistry, writing and on-campus networking. Students take *Concepts of Biology* (BIOL 101) for credit, which reduces their credit load in the fall. Participants will receive tuition, books and supplies during the summer. Additionally, participants take field trips to area health and biomedical research facilities and enjoy fun weekend outings.

The program is funded by North Carolina Agricultural and Technical State University, the National Institutes of Health/National Institute of General Medical Sciences (NIH/NIGMS) and GlaxoSmithKline (GSK) Foundation.