



# UNA SUMMER STEM CAMP 2018

## Dates

June 4-6, 2018 – Check-in is from 4-5 p.m. on June 4<sup>th</sup> @ Olive Hall.

June 6-8, 2018 – Check-in is from 4-5 p.m. on June 6<sup>th</sup> @ Olive Hall.

Students will participate in 3 days and 2 nights of camp activities with room and board included. Campers will stay in the University dormitories and eat in campus dining facilities.

## Who May Apply?

High School students in grades 10-12 are eligible.

## Camp Activities

The three day, two night residential camp will incorporate project-based learning, will promote scientific inquiry and the application of mathematics and technology in the context of experimental design, problem solving, technical briefing and report writing. Camp instructors are members of the UNA faculty and camp counselors are UNA STEM majors. This summer, topics include robotics, rocketry, computer programming, engineering technology, and mathematical applications. Students will build confidence, competence, and community through STEM activities.

## Fees

\$75 fee for nominated students selected by CPR<sup>2</sup>.

(CPR<sup>2</sup> Teachers may nominate up to two students at <http://www.cpr2.org>)

\$75.00 before May 31, 2018 • \$275.00 before June 4, 2018

## General Information

**What to bring:** Each camper will need a twin sheet set or sleeping bag, blanket(s), pillow and pillow case, towels, wash cloth, alarm clock, sunscreen, toiletries and personal hygiene items. In addition, please bring appropriate clothing for indoors and outdoors for the duration of the camp. Campers may also wish to bring an umbrella or raincoat, shoes that can get wet, and a light jacket or sweater.

**Other items:** Pencil and paper, and a basic calculator (graphing or non-graphing).

**Optional:** Spending money for snacks. All regular meals are provided (breakfast, lunch, dinner).

For More Information

Funding for the UNA Summer STEM CAMP is provided by the following generous supporters

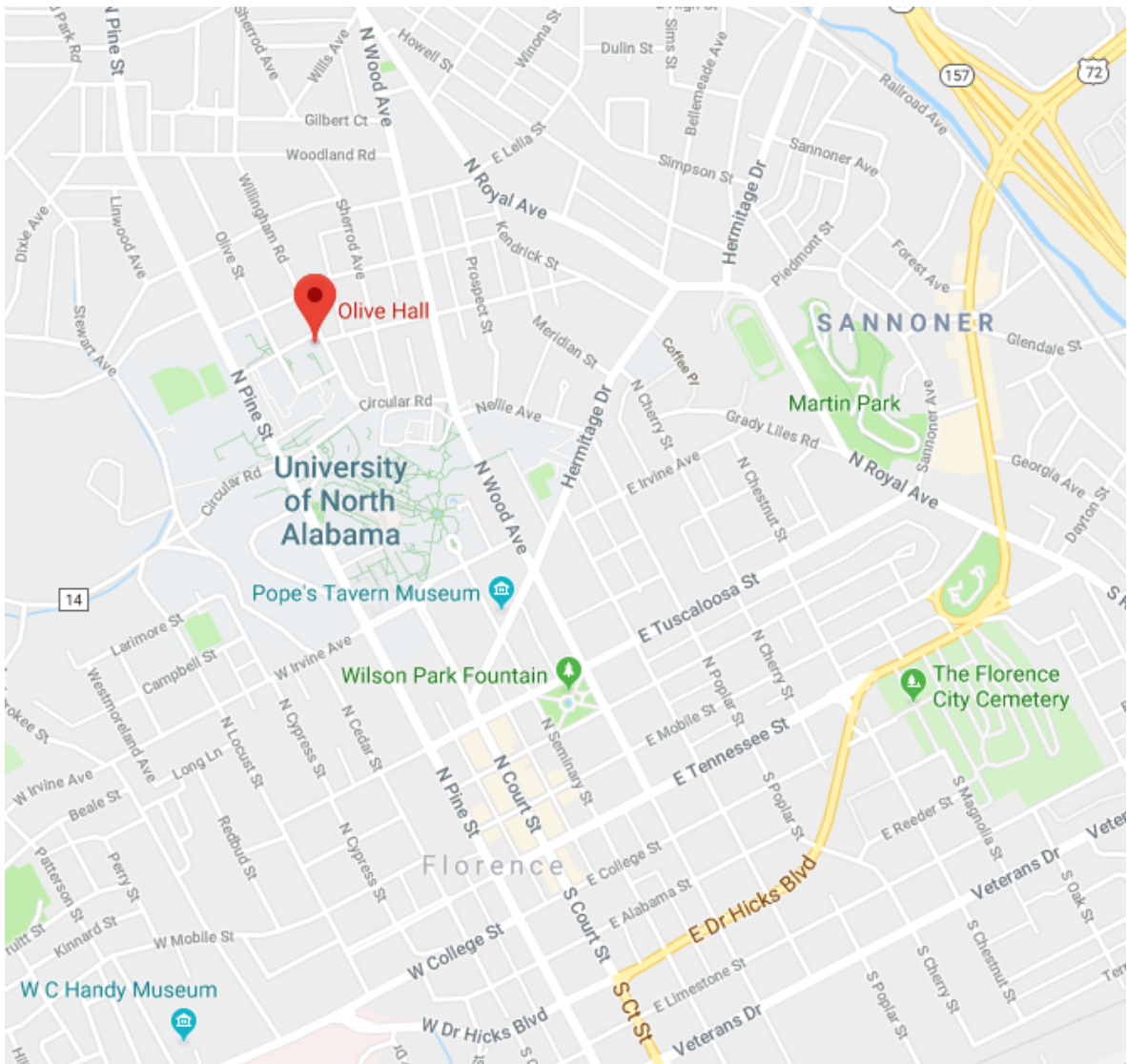
College of Arts and Sciences,  
College of Business,  
Department of Mathematics,  
Department of Computer Science and Information Systems,  
and  
Department of Physics & Earth Science

The UNA Summer STEM CAMP is held in conjunction with CPR<sup>2</sup> Summer Programs.

<http://www.cpr2.org/>

CPR<sup>2</sup> is funded by a Math Science Partnership grant from the U.S. Department of Education via the Alabama State Department of Education.

Olive Hall, West Hawthorn Dr. and Olive Street, Florence AL 35630





# UNA SUMMER STEM CAMP 2018

## *Camper information sheet and Emergency contacts*

Please print and complete this information for each student participating in the UNA Summer STEM Camp. Bring the completed forms to check-in.

### Student Information

Camper's Name: \_\_\_\_\_

Camper's Home address: \_\_\_\_\_

Camper's Age: \_\_\_\_\_ Camper's High School Grade (Fall 2018): \_\_\_\_\_

### Parent/Guardian Information

Parent/Guardian Name: \_\_\_\_\_

Home or Mobile Phone: \_\_\_\_\_ Emergency Phone: \_\_\_\_\_

Parent/Guardian Name: \_\_\_\_\_

Home or Mobile Phone: \_\_\_\_\_ Emergency Phone: \_\_\_\_\_

### Medical Information

**If bringing medication, please attach a separate sheet listing the medication and the condition for which it is needed. Please also note any physical, emotional, or mental health issues which require special provisions.**

Health Insurance Provider: \_\_\_\_\_

Policy Holder and Number: \_\_\_\_\_

Primary Care Provider (name and phone): \_\_\_\_\_

*Your signature on this form will authorize the University of North Alabama to proceed without undue delay should a situation occur which requires medical attention. A representative of the University of North Alabama will attempt to contact the parent/guardian listed above before any action is taken, if possible.*

*I/We grant permission for my/our child to receive medical treatment in the event of an emergency in which an injury or illness occurs while s/he is attending the UNA Summer STEM Camp at the University of North Alabama.*

*I, the undersigned parent and/or guardian of \_\_\_\_\_ (camper), allow my child to participate in activities of the University of North Alabama and the UNA Summer STEM Camp. I do hereby release and discharge the University of North Alabama, the UNA Summer STEM Camp, and all staff, faculty, and student counselors from any and all liability for damages on account of injuries or illness sustained to or by my child while engaged in such activities, whether related or not to camp activities.*

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Parent/Guardian Signature Date

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Camper's Name

**Rules and Regulations**

Please read the following camp rules and regulations before signing. Your signature verifies that both the parent/guardian and camper have read, understood, and agreed to the camp rules and regulations.

1. I agree to abide by the University fire and safety regulations and camp rules, and will cooperate with camp authorities and University officials at all times during the UNA Summer STEM Camp.
2. I understand that camp authorities have the right to expel campers for violation of these rules and regulations or University of North Alabama regulations, and that under such circumstances, no refunds will be made.
3. I understand that the University of North Alabama and the UNA Summer STEM Camp are not responsible for lost, stolen, or damaged personal property.
4. I understand that fees are not refundable after the first day of camp.
5. I understand that all fees are to be paid, in full, on or before the first day of camp and that failure to pay all fees by the required date will result in my registration being voided.
6. I understand that I am responsible for any physical damages to University facilities or equipment and I will be held financially liable for such damages.
7. I grant the University of North Alabama and the UNA Summer STEM Camp permission to use my likeness in photographs, video recordings, or audio recordings of my voice in publications and promotional materials, including web sites, without payment or any other consideration. I understand and agree that these images and recordings will become property of the UNA Summer STEM Camp.

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Parent/Guardian Signature Date

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Camper's Signature

University of North Alabama  
Informed Consent Form

Primary Investigators: Cynthia L. Stenger, Janet Jenkins, James A. Jerkins, Jessica Stovall

Departments of Mathematics and Computer Science and Information Systems  
UNA Box 5051, Florence, AL 35632  
(256) 765-4601

**Title of Project: Using Computational Thinking to Push Students to Acquire Mathematical Reasoning Skills**

I acknowledge that I was informed by Dr. Cynthia Stenger of the Mathematics Department of the University of North Alabama of a project having to do with the study of students' conceptions of abstraction, generalization and proof. I understand that any data collected will be kept completely confidential. I understand that copies of all (or selections of) written work done in association with this research may be retained by the primary investigator as data for this project. I also understand that I may be requested to participate in one or two recorded interviews in which I will be asked to solve mathematical problems or discuss my understanding of various concepts related to abstraction, generalization, and proof. I understand that my participation in this research project is completely voluntary and my decision to participate or not participate has absolutely no impact on the evaluation I will receive in this workshop or class. I understand that I may withdraw my participation in this project at any time without prejudice or penalty of any kind by informing the primary investigator of this decision and signing such below. Additionally, I may withdraw my participation in this project at any time up to one week following data collection by informing the primary investigator of this decision and signing such below. I hereby agree to participate in this project.

Printed Name: \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Address: \_\_\_\_\_

Participant should sign two copies of this form, keeping one and returning the other to the primary investigator.

I have decided to rescind my participation in this project:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

University of North Alabama  
Informed Consent Form – Participant Copy

Primary Investigators: Cynthia L. Stenger, Janet Jenkins, James A. Jerkins, Jessica Stovall

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