

2017 Academic Summer Camps

with tuition support for 7th-12th grade public school students in Lee, Pontotoc, and Union Counties provided by the Toyota Wellspring Education Fund, a fund of the CREATE Foundation

Mississippi State University



ASAP: Accelerating Students into the Accounting Profession

July 9-12

A fun-filled and interactive three-day camp designed for rising high school seniors (who have taken the ACT and/or SAT) to create an interest in accounting and provide an overview of the various career opportunities within the accounting profession.

The participants will attend instructional seminars focused on enhancing professional development and success, developing team-building/leadership skills, and gaining a new perspective of the accounting profession. In addition, participants will hear from business professionals and take a tour of local firms or industries to give a first-hand look into audit, tax, or advisory services.

Website: <https://www.business.msstate.edu/asap/>

Contact: Lorraine Hughes, Academic Coordinator, 662-325-1631, lhughes@business.msstate.edu

BATMEN Academy

July 9-14

This program is the ultimate engineering academy for young men who are enrolled in grades 7-9 for the 2016-17 school year. Participants will learn about the different fields of engineering and work on a variety of hands-on, minds-on projects over the course of the week

Website: <http://www.bagley.msstate.edu/outreach/summer-engineering-academies/>

Contact: Vemitra White, 662.325.8277, bagleysummer@gmail.com

Bulldog Bytes: Cyber Dawgs I & II

July 11-16

Participants will learn about cyber security, digital forensics, and computer programming with hands-on projects. The camp curriculum is for beginner and intermediate computer and cyber learners, so applications that demonstrate students have an interest in, but limited experience with, computer science will be given preference.

Website: <http://www.bagley.msstate.edu/outreach/summer-engineering-academies/>

Contact: Dr. Sarah Lee, 662.325.2758, sblee@cse.msstate.edu

Bulldog Bytes: Digital Divas (for Lee, Pontotoc, and Union Counties ONLY)

June 4-9

This 4-night residential camp is built around a project-based curriculum, believing that play, inquiry, teamwork, and problem solving are important aspects of learning environments. In a girls-only environment, campers (1) will learn about cyber security and digital citizenship (including online safety) (2) will learn about digital forensics with hands-on case study projects (including how information that is deleted is not really deleted!), (3) will learn to program using an Amazon Fire tablet and Sphero robot, (4) will have the opportunity to hear from and speak with women working in computing careers and other careers that use computing, and (5) will learn to work together in teams to implement project designs and solve problems. All campers will take their tablet and robot home with them at the end of the camp to continue learning and share their knowledge with peers.

Website: <http://www.bagley.msstate.edu/outreach/summer-engineering-academies/>

Contact: Dr. Sarah Lee, 662.325.2758, sblee@cse.msstate.edu

Conservation Camp: Wildlife & Recreation

June 4-7

Dive into hands-on learning about Mississippi's wildlife, conservation careers, and outdoor recreational opportunities, including fishing, archery and canoeing. This residential camp also offers the option for certification in Hunter Education. All instructors are professional biologists, scientists, and graduate students in these specialties.

Website: www.cfr.msstate.edu/wildlife/conservation_camp/

Contact: Dr. Leslie Burger, Director, 662.325.6686, leslie.burger@msstate.edu

Design Discovery

June 9-16

This camp is intended to answer many of the questions about architecture as a field of study and as a profession. The major goal of the camp is to simulate the information, skill, and intensity required for a design education, while providing a clear insight into the practice.

Website: http://www.caad.msstate.edu/caad_web/sarc/designdiscovery.php

Contact: Phyllis Davis-Webber, 662.325.2202, pdavis@caad.msstate.edu

*i*CREATE: Creative Retail, Entrepreneurship, Apparel & Technology Enrichment

July 16-22

*i*CREATE provides an exciting pre-college summer program for teens interested in the building a brand or company through fun, hands-on experiences, workshops, and projects. This intensive and innovative program is for high school teens (ages 14-17), which are interested in launching their own business, blog, brand, or website related to fashion, technology, or innovations available to consumers. *i*CREATE not only provides a college-like experience for teens, but also shows how turn a desire or passion to start your own business into a successful brand and career. Students, educators, and industry professionals will provide an inside view to the many facets of the industry, with hands-on learning experiences and projects. Space is limited to only 30 students!

Website: <http://ce.msucare.com/summer-camps/>

Contact: Charles Freeman, 662.325.1293, cf617@msstate.edu

In-Vision Camp

June 12-16

An exciting, intensive, one week summer program to introduce students to majors in the studio fields of art and design. You'll have the opportunity to work and socialize with other students from diverse backgrounds interested in making and talking about art. Students will have full days that include fundamentals of drawing and design, building with three dimensional materials and computer art applications, as well as exciting classes introducing students to screen printing, bookmaking, and experimental art forms. At the end of the program students will exhibit their work at the Visual Arts Center Gallery.

Website: <http://caad.msstate.edu/wpmu/in-vision/>

Contact: Christina Vanderberg, 662.325.2970, art@caad.msstate.edu

Summer Scholars On-Stage: Writers/Production Camp Summer Scholars On-Stage: Production Camp

June 11-July 2

June 16-July 2

Summer Scholars On-Stage camps consist of a one-week writer's camp which is followed by a 2-week production camp. Students may apply for all three weeks or for the two week camp only.

Junior and Senior high students may audition for and to attend residential June camps, during which they (week one) write an original musical comedy; then (weeks two & three) attend classes about vocal music, dance, drama, and set design, rehearse, and produce two free musical comedies to the public.

Website: <http://www.summerscholarsonstage.msstate.edu>

Contact: Dr. Joe R. Underwood, 662-323-8969(h) or 662-312-2911(c), joeray01@bellsouth.net

Veterinary Camp

June 7-11

A **hands-on experience**. Interactive labs engage all your senses. You see, feel, smell and hear about animals from the view of a veterinarian. The **real instructors and professors** from Mississippi State University College of Veterinary Medicine will ignite your curiosity about everything from anatomy and microbiology to radiology and physical exams. **You'll learn** about the wide variety of career options from small to large animal, public health to pathology, research to pet health. Spend your time **working side by side** with current veterinary students as counselors to **explore the world** of veterinary medicine. Most important of all – **it's just plain FUN** to hang out with Animal People doing Animal Stuff!

Website: <http://cvm.msstate.edu/outreach/veterinary-camp>

Contact: Katie Timmerman, 662-325-0465 or katie.timmerman@msstate.edu or Dr. Brittany Moore-Henderson, brittany.henderson@msstate.edu

WONDER Women Academy

July 16-21

“Wonderful, Outstanding, Noteworthy, & Determined, Engineering Ready Women.” The young ladies will experience what it means to be a female in engineering. They will explore all 8 different engineering departments here at MSU, including mechanical, civil, chemical, biomedical, and electrical, computer science, industrial, and aerospace, through different activities.

Website: <http://www.bagley.msstate.edu/outreach/summer-engineering-academies/>

Contact: Vemitra White, 662.325.8277, bagleysummer@gmail.com

Rural Medical Scholars (1 scholarship from each of the 3 counties)

May 28-June 29

The Rural Medical Scholars program at Mississippi State University is seeking academically talented rising 12th graders who are interested in pursuing a career as a primary care physician. This program can help you answer that all-important question “Do I want to be a physician?” For five weeks during first term summer school, scholars will take two college-level pre-med courses (biology and sociology), visit the UMMC Medical School, engage in hands-on activities and talk to faculty and students, experience the day-to-day practice of medicine by shadowing doctors as they work, make new friends with similar interests and goals, participate in practical learning activities promoting teamwork and critical thinking, engage in a communications and study skills workshop and experience other hands-on learning activities relevant to the life of an aspiring physician, earn certification as a Junior Master Wellness volunteer, live on campus at Mississippi State University, and get a taste of college life.

There is a \$100 registration fee, once accepted into the program. Tuition, books and room are provided for free---\$3400 plus value—through a partial scholarship from CREATE/Toyota.

Contact: Director, Ann Sansing, 662-325-4043 or asansing@ext.msstate.edu

Rural Medical Scholars website: <http://extension.msstate.edu/rms>

Engineering Camp **6th-8th Graders — June 11-16; 9th-12th Graders — June 4-9**

The Engineering Camp program is a five-day residential camp designed for students who show a great interest in mathematics and science and have a desire to further their knowledge in those areas. The goal of the program is to offer an environment in which students can experience engineering firsthand and to expose campers to challenging experiences in STEM.

Website: <http://www.outreach.olemiss.edu/engineeringcamp/>

Contact: Office of Pre-College Programs, 662-915-7925

STEM Camp for Girls **6th-8th Graders — #1 July 9-14; #2 July 16-21**

A week-long non-credit camp that provides girls in the 6th-8th grades an opportunity to explore the fields of science, technology, engineering, and mathematics. Each day will focus on one concentration. Women working in these fields will host lectures each morning and campers will spend the afternoons participating in hands-on activities related to the day's topic. Tours of pertinent facilities will also be conducted throughout the week.

Website: <http://www.outreach.olemiss.edu/stemcamp/index.html/>

Contact: Office of Pre-College Programs, 662-915-7925

Summer Days of Intrigue Intelligence Program **10th-12th Graders — June 11-14**

The *Summer Days of Intrigue* Intelligence program gives high school students a chance to learn about the intelligence community and apply analytical intelligence methods, such as cryptanalysis, used by real analysts to solve a case. In addition to learning analytical skills, students will also learn how to conduct a security detail for presidents and diplomats, as well as how to clandestinely collect information. Students will act in real time to solve a case, relying on fabricated evidence and open-source information. Evidence includes video, audio, fabricated websites, and computer database materials. Students will also participate in a ropes course that reinforces skills related to leadership and team building.

Website: <http://ciss.olemiss.edu/summer-program/>

Environmental Conservation Leadership Program **11th-12th Graders — June 4-9**

Focuses on environmental sustainability, and will pair students with UM Professors conducting research on issues associated with conservation, pollution control, water quality, ecosystem services and environmental stewardship. The program will provide learning opportunities and leadership development via hands-on experience, field trips, and group activities. Through a thorough understanding of the complex and interrelated world in which we find ourselves, each participant will come to consider multiple and innovative solutions to living sustainably.

Website: http://www.outreach.olemiss.edu/conservation_leadership/index.html/

CSI Camp **9th-12th Graders — July 16-21**

With today's explosion of television programs and media coverage of the latest advancements in the forensic sciences, young people have become fascinated with anything relating to the work of the forensic scientist. The CSI Summer Camps were developed to give hands-on experiences to students who love puzzles, science museums, and watching forensic science television shows.

Website: <http://www.aafs.org/students/csi-summer-camps>

Code Monkeys **9th-12th Graders — June 25-30**

Code Monkeys is a crash course in code writing and programming. Students will learn the basics of programming and will be able to create their own APP by the end of the week. This is an intensive code writing camp for those true aspiring programmers..

Website: <http://www.outreach.olemiss.edu/codemonkeysamp/>

Rebel Chefs Cooking Camp 6th-8th Graders—July 16-21; 9th-12th Graders—July 23-28

Students will spend time in the classroom and the kitchen every day. They will learn about food and kitchen safety, basic and advanced cooking techniques, and will prepare their own dishes. Students will also take trips to local community markets and gardens and will discuss with farmers and nutritionists the importance of eating local and eating in season.

Website: <http://www.outreach.olemiss.edu/cookingcamp/index.html>

Theatre Camp

6th-8th Graders — June 4-9

Campers will explore the world of professional theatre from historical Broadway performances and Tony winners to the excitement of the production process. Guest speakers will present first-hand experience in the fields of design, acting, and playwriting. Campers will choose, rehearse, and receive positive critical feedback on the auditions piece of their choice.

Website: <http://www.outreach.olemiss.edu/theatrecamp/>

Summer Academy I: ACT Prep

June 11-23

The ACT (according to www.actstudent.org) is a national college admissions examination that consists of subject area tests in English, math, science, and reading. The ACT Plus Writing includes the four subject area tests plus a 30-minute Writing Test. All 4-year colleges and universities in the U.S accept ACT results. The results from these tests must be included as part of applications for admission to most four-year colleges and universities. Because admissions are becoming increasingly competitive, good ACT test scores can give students an edge on the competition. This course is designed to help students prepare for these important assessments by focusing on verbal skills like reading, writing and vocabulary. Students will develop valuable test-taking strategies to help improve their scores.

For information, pricing, and registration: summeracademy@olemiss.edu

Website: http://www.outreach.olemiss.edu/youth/summer_academy

Contact: Office of Pre-College Programs, 662-915-7925

1/2 Carnegie Unit high school credit earned for this class work.

Summer Academy I: Debate: Argue! Challenge! Defend! Perform! Compete! June 11-23

This SPEECH and DEBATE course introduces the fundamental concepts, skills, and techniques for competitive speech and debate. The effective speaker and debater will develop fluency in reading aloud as well as skills in arguing, writing, and researching. Critical thinking, listening, and speaking skills are emphasized in a supportive and friendly but competitive environment. Students interested in recent local, national, and international topics will enjoy arguing for and against a range of issues. At the end of the course, students will be able to 1) Research, create, and deliver Public Forum Debate speeches as well as argue effectively in cross-fires; 2) Evaluate and deliver poetry or prose with meaning, feeling, and understanding; and 3) Work effectively as an individual and as a member of a team in class competitions.

Website: http://www.outreach.olemiss.edu/youth/summer_academy/

For information, pricing, and registration: summeracademy@olemiss.edu

Contact: Office of Pre-College Programs, 662-915-7925

1/2 Carnegie Unit high school credit earned for this class work.

Summer Academy II: ACT Prep

July 9-21

The ACT (according to www.actstudent.org) is a national college admissions examination that consists of subject area tests in English, math, science, and reading. The ACT Plus Writing includes the four subject area tests plus a 30-minute Writing Test. All 4-year colleges and universities in the U.S accept ACT results. The results from these tests must be included as part of applications for admission to most four-year colleges and universities. Because admissions are becoming increasingly competitive, good ACT test scores can give students an edge on the competition.

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For information, pricing, and registration: summeracademy@olemiss.edu

Website: http://www.outreach.olemiss.edu/youth/summer_academy

Contact: Office of Pre-College Programs, 662-915-7925

1/2 Carnegie Unit high school credit earned for this class work.

Summer Academy II: Introduction to Engineering

July 9-21

What do medieval war machines, earthquakes, and roller coasters have in common? Sounds like the beginning of a bad joke, right? Oddly enough, they do share a common bond - math. In Introduction to Engineering, we will design experiments and construct projects to view how engineers use math on a daily basis to study natural disasters, design amusement park rides, and understand ancient world conflicts. Math comes alive as we pull it from the sometimes boring classroom right into the world where you live and might work someday. Can you build a catapult with a better launch distance than anyone else or construct a dome to rival Epcot Center? These and other exciting opportunities await in Introduction to Engineering at Ole Miss's Summer Academy!

Website: http://www.outreach.olemiss.edu/youth/summer_academy/

For information, pricing, and registration: summeracademy@olemiss.edu

Contact: Office of Pre-College Programs, 662-915-7925

1/2 Carnegie Unit high school credit earned for this class work.

Lott Leadership Institute (9th Grade—BY INVITATION ONLY) I: June 11-23; II: July 9-21

The **Lott Institute for Rising Ninth Graders**, a partnership between the University of Mississippi's Lott Leadership Institute and the Division of Outreach, is a program designed to develop critical thinking and leadership skills in soon-to-be high school freshmen. Its aim is to cultivate and inspire honest, compassionate, and responsive leaders who will focus on responsibility and stewardship. The overall goal being that students who complete the program will return to their high schools and put the new skills to work for the betterment of the community.

Website: <http://lottinst.olemiss.edu/high-school-students/for-rising-9th-graders/>