

Exciting 2016 Summer Programs

offered by

THE UNIVERSITY OF SOUTHERN MISSISSIPPI COLLEGE OF EDUCATION AND PSYCHOLOGY
DEPARTMENT OF CURRICULUM, INSTRUCTION AND SPECIAL EDUCATION

The Frances A. Karnes Center for Gifted Studies

Serving families since 1979



Leadership Studies Program

NEW Day Program for Young Gifted

Summer Gifted Studies Program

**Summer Program for
Academically Talented Youth**

THE
FRANCES A. KARNES

CENTER
FOR
*Gifted
Studies*

RESIDENTIAL ACCOMMODATIONS

The residential component is planned to be an integral part of the learning experience. The residential hall provides an equally comfortable environment for academic activities and leisure time. Students live in an air-conditioned dormitory a short walking distance from the dining hall, campus resources (such as the library) and recreational facilities. Residential counselors supervise students when they are not in class. There are many opportunities for students to enjoy getting acquainted with other young people of similar abilities and interests. During the three-week program, approximately six hours each week day and three hours on Saturday mornings will be devoted to group classroom studies, with one hour per evening provided for individual study. Cultural and recreational activities will be planned as well.

2016 LEADERSHIP STUDIES

June 5 – 10, 2016

Class Descriptions

Leadership I is a program with specific emphasis on leadership skills. Training will include those areas necessary for leadership development: fundamentals of leadership, written and oral communication, group dynamics, problem solving, planning, personal skills and decision making. Avenues for becoming leaders in the schools, communities and religious affiliations will be utilized to heighten the awareness and development of leadership potential.

Leadership II is a continuation of the program, with Leadership I as a prerequisite for entry. It is an intense study to further develop leadership concepts and qualities. Emphasis is placed on the psychology of leadership, assertiveness training and situational leadership.

Leadership III is an extension of the program, with Leadership II as a prerequisite for entry. Training will focus on the legal aspects of leadership, responsibilities of various positions of leadership, developing personal power, and leadership for the future. The students also have the opportunity for informal interaction with adult leaders. Financial aid is available based on need, on a limited basis.

Leadership IV is a Leadership in Action program. Students participate in service-learning and aid teachers, counselors and students in Leadership I. These students will research contemporary leaders' skills and concepts as they continue their leadership training.



2016 SUMMER PROGRAM FOR ACADEMICALLY TALENTED YOUTH

June 26 – July 16, 2016

Academic Courses

Classes taught by outstanding teachers meet six hours each weekday and three hours on Saturday. Students participate in quality learning experiences that allow them to progress at a rate appropriate for high-ability students. Each class is limited in enrollment. Students select one of the following courses, each of which is offered in a fast-paced, challenging format. SAT or ACT (taken in 7th grade) eligibility requirements are noted after each course description.

Mathematics – This series of subjects includes Algebra I and II, Geometry, Trigonometry, Precalculus, Calculus and Modern Analysis. The goal of this course is for each student to learn as much mathematics as proves feasible. Most students will complete at least one mathematics subject during the course. Diagnostic testing and individualized instruction allow students to work at their own pace and focus on material they have not previously mastered. Students must enjoy mathematics and be able to work independently to gain the most from this class. **Students are required to have a graphing calculator.**

Human Anatomy and Physiology – This course involves the study of the structure and functioning of the human body. Each body system will be studied and seen as an integrated part of an entire organism. The systems to be studied are integumentary, skeletal, muscular, nervous, endocrine, circulatory, urinary, digestive, respiratory and reproductive. Clinical applications (using disorders of the systems) will integrate the knowledge of the course into practical application.

Forensic Science – Forensic science is the application of science to those criminal and civil laws that are enforced by police agencies in a criminal justice system. Students will be introduced to such topics as crime scene investigation, photography, fingerprinting analysis, trace evidence, packaging and presentation of evidence, fiber and hair comparison, and glass reconstruction. Students will acquire knowledge in forensic science through professional readings, textbooks, hands-on activities, lectures, group discussions, seminars with practitioners, and videotapes.

Polymer Science – Students will explore the world of polymers, the materials that surround us in our daily lives, by participating in inquiry-based laboratory experiments and hands-on research projects. The history, recent developments,

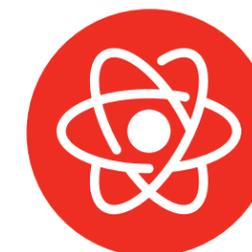
applications, and the processing of glass, ceramics, metals and polymers will be examined. The properties of major commercial polymers, raw material sources, and the organization of the polymer industry will also be studied. Since the interdisciplinary nature of polymer science encompasses several fields, including chemistry and physical science, students gain exposure to science's multifaceted realm.

Psychology – Emphasis will be on the scientific and theoretical aspects of psychology, including biological bases of behavior, development, learning and adaptive behavior, sensation and perception, measurement and statistical methods. Material is presented through textbook reading, lecture, discussion and demonstration.

Criminal Justice – This course is an introduction to criminal law, criminological thought, and the operation of the criminal justice system. Material is presented through textbooks, lectures, group discussions, class activities and videos.

Creative Writing – This course is designed to be a writer's workshop with emphasis on turning the experiences of real life into lively, creative prose. Students will become aware of their own habits as writers through writing essays, poetry, and other forms of creative writing. They will discuss and practice the process of writing from brainstorming creative ideas to organization, analysis and revision.

Debate – This course provides instruction in how to acquire, analyze and evaluate information in order to organize effective arguments, and it provides practice in making those arguments. Skill in debate helps the individual think logically, clearly and quickly; it enables a student to identify flawed reasoning and argue persuasively. It also contributes to the student's understanding of self and confidence in the student's own ability to analyze issues.



2016 SUMMER GIFTED STUDIES

June 19 – 24, 2016

Class Descriptions

Galaxy Hunters – Explore the classical and dwarf planets, faraway galaxies, stars and dark matter. Learn how black holes work, what causes a supernova, and discover other celestial objects in space.

How to Be a Detective – Learn how to think like a detective and solve mysteries using scientific, inductive and deductive reasoning. Students conduct investigations using hands-on methods and by using critical thinking skills and conducting experiments. Careers in related fields will be explored.

Designing Games – Students will examine classic games like Scrabble, Chess and Monopoly and their structures. Using skills, strategies and multiple intelligences, students will invent their own new and exciting games to take home and share.

Inventions – Students will analyze their world and brainstorm inventions that would improve their lives. They will then create their own inventions by building something new or making something better. Then, they'll learn how to market their own inventions through the use of creative thinking and problem-solving skills.

Gods of Olympus – Do you like Percy Jackson and Rick Riordan? If yes, you will love this class! Students learn and analyze Greek mythologies and explore the 12 major Greek gods and goddesses. Using their creative, artistic and critical thinking skills to understand the relationship between myths, cultures and societies, students will assess their

impact on today's world. As a culminating activity, students create their own myths and gods or goddesses.

Robots – This is an inquiry-based, hands-on STEM unit from National Geographic. Students will explore science, engineering, circuits, simple machines, algorithms and apply the knowledge and concepts to robotics and designing and building their own robots.

Simple Machines, Science and LEGO Engineering (Grades 4-6) – Students will examine simple machines, their parts such as levers, axles, planes, forces, wedges, pulleys, gears, and how they help humans. Using creativity, math and science, students will engineer a people-mover.

Business Leaders (Grades 6-8) – Students will learn about the types of companies they can start now or in the future. They will learn the fun and exhilaration of being entrepreneurs. Skills in developing a business plan, public relations, planning, decision-making, budgeting and money management will be developed and enhanced.

U.S. History (Grades 6-8) – Explore the history of the United States of America in the 1950s by studying arts, literature and personalities of the time. Discover the beginning of Rock 'n Roll with Elvis Presley, influential TV shows like *The Ed Sullivan Show*, the Cold War and the atom bomb, Jackson Pollack, Martians, and how desegregation and fear shaped the 1950s.



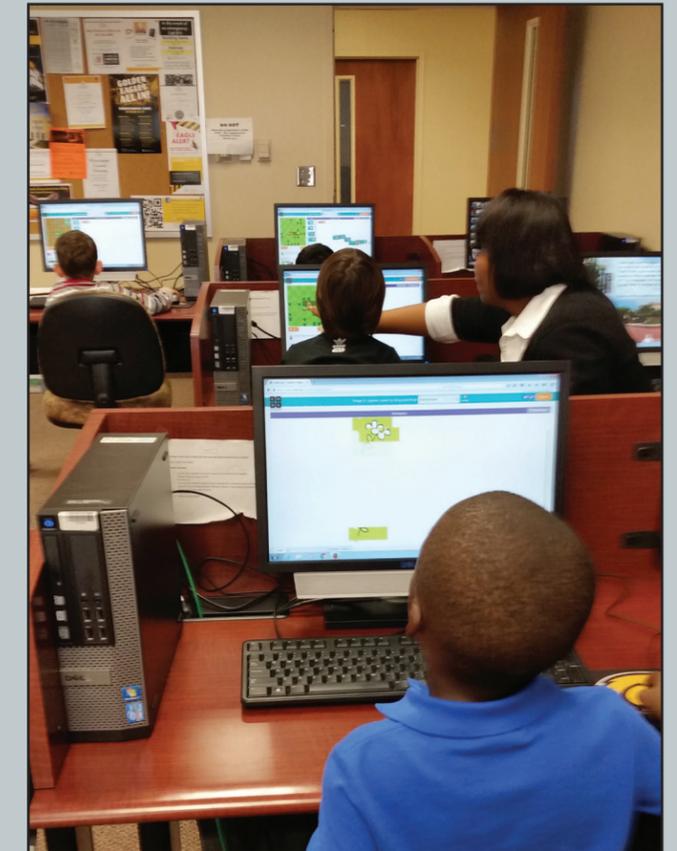
EXCEPTIONALLY TALENTED

ROBOTS - ET

This is an inquiry-based, hands-on STEM unit from National Geographic. Students will explore science, engineering, circuits, simple machines, algorithms, and apply the knowledge and concepts to robotics and designing and building their own robot. Students must have score a 137 or higher on an individual administered IQ test.



Simple Machines
Science LEGO Engineering



Computer Coding



Board Game Fun in McCarty Hall



Digital World

APPLICATION FORM FOR ALL PROGRAMS

To apply online, go to www.usm.edu/gifted. From there, click on Youth Services; then, click on chosen program. Scroll down to the bottom and click where indicated under Application.

Name of Applicant _____
Last First Middle Initial Preferred Name

Gender: Male Female Date of Birth _____ Age _____ Current Grade _____

Please check one or more of the following for research purposes:

- Black/African-American Asian Hispanic American Indian or Alaska Native
 Native Hawaiian or Pacific Islander White

Mailing Address _____
Street City State ZIP Code

Home Phone (_____) _____ Parent's Email Address _____

Parent(s) or Legal Guardian(s)

Father's Name _____ Occupation _____ Work Phone _____

Mother's Name _____ Occupation _____ Work Phone _____

Current School _____ Principal _____

Is the student currently participating in other programs for

- a learning disability a behavioral disorder speech therapy
 a visual impairment a hearing impairment a physical impairment limited English proficiency (LEP)?

If enrolled in the program, does the student currently have any medical or physical conditions that should be known?

Yes No If yes, please explain: _____

I, _____, give permission to the schools to release to the Frances A. Karnes Center for Gifted Studies any information on record for our child that may be needed to determine eligibility and acceptance status. We understand that this information may not be released in a personally identifiable manner by the Frances A. Karnes Center for Gifted Studies or its representatives without our expressed written consent.

Parent(s)/Guardian(s) _____ Date _____

Has the student previously been enrolled in a program sponsored by the Frances A. Karnes Center for Gifted Studies?

Yes No If yes, date last enrolled _____

Are you applying for financial aid? (Financial aid is NOT available for Day Program.) Yes No

Do you receive free or reduced lunch?

Limited funds are available, based on need, on a first-come, first-served basis. We request that you first seek financial aid within your community. Early application is strongly encouraged. Applications will be considered according to the order of receipt. Consideration is based upon State Free and Reduced Lunch Schedule. A financial aid application may be obtained from our website at www.usm.edu/gifted.

APPLICATION 2016 LEADERSHIP STUDIES June 5-10, 2016

Applicant Name _____

Applying for (Check One.):

- Leadership I Leadership II Leadership III Leadership IV

YEAR ATTENDED:

Leadership I _____ Leadership II _____ Leadership III _____

APPLICATION 2016 SUMMER PROGRAM FOR ACADEMICALLY TALENTED YOUTH June 26 - July 16, 2016

APPLICANT NAME _____

Number all courses of interest in order of preference (1 = first choice, 2 = second choice, 3 = third choice, etc., or NI = No Interest). Only those courses with 15 or more eligible students will be conducted.

- ___ Mathematics SAT-M \geq 500 or ACT-M \geq 18
 ___ Human Anatomy and Physiology SAT-M \geq 500 or SAT-CR \geq 500 or ACT-M \geq 18 or ACT-E \geq 21
 or ACT-S \geq 22 or ACT-R \geq 21
 ___ Forensic Science SAT-M \geq 500 or SAT-CR \geq 500 or ACT-M \geq 18 or ACT-E \geq 21
 or ACT-S \geq 22 or ACT-R \geq 21
 ___ Polymer Science SAT-M \geq 500 or SAT-CR \geq 500 or ACT-M \geq 18 or ACT-E \geq 21
 or ACT-S \geq 22 or ACT-R \geq 21
 ___ Psychology SAT-M \geq 500 or SAT-CR \geq 500 or ACT-M \geq 18 or ACT-E \geq 21
 or ACT-S \geq 22 or ACT-R \geq 21
 ___ Criminal Justice SAT-M \geq 500 or SAT-CR \geq 500 or ACT-M \geq 18 or ACT-E \geq 21
 or ACT-S \geq 22 or ACT-R \geq 21
 ___ Creative Writing SAT-CR \geq 500 or SAT-W \geq 500 or ACT-E \geq 21 or ACT-R \geq 21
 ___ Debate SAT-CR \geq 500 or SAT-W \geq 500 or ACT-E \geq 21 or ACT-R \geq 21

SAT Scores: SAT M _____ SAT CR _____ SAT W _____ Date of SAT _____

ACT Scores: ACT E _____ ACT M _____ ACT-R _____ ACT-S _____ Date of ACT _____

Grade level completed in school year 2015-16 _____

Grade level entering in school year 2016-17 _____

Mathematics Applicants Only: Please check the course(s) that you will have completed by the end of this school year: Algebra I Algebra II Geometry Trigonometry
 Precalculus Calculus Modern Analysis

APPLICATION

2016 SUMMER GIFTED STUDIES PROGRAM

June 19-24, 2016

Applicant Name _____

PART I Make class choice: 1 = 1st choice, 2 = 2nd choice, 3 = 3rd choice, etc.

- Galaxy Hunters How to Be a Detective Designing Games Inventions
 Gods of Olympus U.S. History Simple Machines, Science and LEGO Engineering
 Business Leaders Robots Exceptionally Talented - Robots (IQ 137+ Required)

Is this student currently participating in a state-approved program for intellectually and/or academically gifted children? Yes No

PART II – If the child has not previously enrolled in the Frances A. Karnes Center for Gifted Studies, Part II must be completed by authorized school personnel **or** by the parent. If completed by the parent, a copy of the IQ or standardized test results proving eligibility **must** be attached to this application. **Applications without scores will not be processed.**

Students must qualify based on one of the following criteria:

- An intelligence quotient of 121 **or** above on the Wechsler Intelligence Scale for Children IV **or** V or the Wechsler Non-Verbal Scale of Ability **or** the Stanford-Binet 5 **or** the Leiter Revised **or** the Reynolds Intellectual Assessment Scales **or** KABC II **or** the Wide Range Intelligence Test **or** the Universal Non-Verbal Intelligence Test **or** the CTONI-2 **or** Naglieri Non-Verbal Test - Individual. Record the scores in the space provided.

WISC-III: _____ WISC-IV: _____ WNV: _____ Stanford-Binet 5: _____
 VIQ PIQ FSIQ FSIQ Full Scale FSIQ
 Leiter 3: _____ RIAS: _____ or _____ KABC-II: _____ WRIT: _____
 Full IQ CIX TTB FCI MPI General IQ
 UNIT: _____ CTONI-2: _____ WPPSI-III _____ NNAT-I _____
 FSIQ NIQ FSIQ SS

Examiner or Authorized School Personnel	Position	Date Administered
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- OR**
- Standardized achievement test with scores at the 91st percentile or above at the national level in one of the following areas. Record the scores in the spaces provided.

Name of Test _____ Date Administered _____
 Total Reading _____% Total Math _____%
 Total Language (or Listening) _____% Total Battery _____%

Is there any other information about this student that you think should influence his/her eligibility? _____

2016 DAY PROGRAM FOR YOUNG GIFTED

June 13 – 17, 2016

Class Descriptions

Morning Session - 9 a.m.-Noon *(Select first and second choices.)*

- Frogs and Toads** - Pre-K - Grade 1 *(suggested ages 4-7)*
 Do you like Kermit the Frog, the Frog Prince, or Frog and Toad stories? If you do, this class is for you! This class will combine literature, science, learning and fun. In this introductory herpetology class, the little creatures comprising the world of amphibians will be studied. Through comparing and contrasting, the students will explore the structure, life cycle and behavior of frogs and toads.
- Engineers R Us** - Grades 1-3 *(suggested ages 7-9)*
 Students will explore science, simple machines, robots, technology and the engineering design process. Students use critical thinking and problem-solving skills to imagine, plan and build experiments to test designs.
- I Am a Scientist I** - Kindergarten-Grade 3 *(ages 6-9)*
 Students will examine natural phenomena through observations, experimentation, formulating hypotheses and other scientific processes. The joy of discovery will be experienced as the students begin to investigate many of the mysteries of the universe.

Afternoon Session - 1-4 p.m. *(Select first and second choices.)*

- Dragons** - Grades 1-3 *(suggested ages 7-9)*
 Using art, literature, music, science, culture and history, students will examine mythical and magical dragons in popular culture. Some dragons you will meet are Puff the Magic Dragon, Chinese and red dragons, and komodo dragons. Maybe you will even learn how to train a dragon.
- Little Engineers** - Pre-K-Grade 1 *(suggested ages 4-7)*
 Students will explore science with simple machines, robots, technology and engineering skills. Using creative, critical and problem-solving skills, students will create some of their own machine designs using simple machines and engineering.
- I Am a Scientist II** - Kindergarten-Grade 3 *(ages 6-9)*
 Students will examine natural phenomena through observations, experimentation, formulating hypotheses and other scientific processes. The joy of discovery will be experienced as the students begin to investigate many of the mysteries of the universe.

Must complete page 8 and part II of page 10.

Financial aid is NOT available for the Day Program.



THE UNIVERSITY OF
SOUTHERN MISSISSIPPI

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118 College Drive #5123
Hattiesburg, MS 39406-0001

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2016 PROGRAMS AT A GLANCE

PROGRAM	Leadership	Day Young Gifted	Summer Gifted	Academically Talented
Dates	June 5-10	June 13-17	June 19-24	June 26-July 16
Grades Served	6-11	Pre-K-3	4-8	7-10
Cost	\$600	\$150/\$240	\$600	\$2,025
Financial Aid Deadline	March 23	N/A	March 30	April 30
Application Deadline	March 23	March 30	March 30	April 30
Notification of Acceptance	April 1	April 8	April 8	May 10
Payment & Forms Deadline	April 29	April 29	April 29	May 31

SEND application to
The University of Southern Mississippi
118 College Drive #5123, Hattiesburg, MS 39406-0001
Phone: 601.266.5236 • Fax: 601.266.4764 • Email: gifted.studies@usm.edu