

SUMMER CAMPUS AT LSU

THINK SUMMER FUN!



LSU

Pre-College Programs

TIGER CHALLENGE • K – 6th GRADE
TIGER SCHOLAR • 7th – 8th GRADE
TIGER U • 9th – 12th GRADE



**REGISTER BY
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**\$50
OFF
FULL DAY
COURSE FEE**

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Information in this catalog is correct at the date of publication, but is subject to change.

2019 CALENDAR OF CAMPS & COURSES

Tiger Challenge courses meet Monday–Friday, 8 a.m.–4:30 p.m. Location details are included in the registration confirmation.

ENTERING GRADE	June 3–7	June 10–14	June 17–21	June 24–28	July 2–6	July 8–12	July 15–19	July 22–26	July 29–Aug. 2	Aug. 5–9	
TIGER CHALLENGE	Kindergarten	Kindergarten Camp: Session I (June 3–14)		Kindergarten Camp: Session II (June 17–28)		Kindergarten Camp: Session II (July 8–19)					
	1st	ABC Your Way to the Movies	Pets & Vets	Mad Scientists	Creepy Crawlers	Spinning in Space	Tiger Challenge Bus & Us				
	2nd	Solids, Liquids & Gases, Oh My!	Jr. Naturalist	Tiger Challenge Campout	Jr. Med	Who Would Win?	Have No Fear, I'm an Engineer!				
	3rd–4th	Full STEM Ahead	The Great Escape	ABC's of Survival Skills	Guinness World Records: Can You Break It?	Dinosaurs & Fossils	Junior Inventor				
		Space Detectives	The Human Body	Water Explorers	Tiger Techies	Tiger Chem Lab	Tiger Time Travelers				
	5th–6th	Googly for Google!	Digital Story Telling: Art & Tech	Espionage: Secret Agent	Jr. Entrepreneurs	Eco-Voyagers	Bugs & Engineering				
SCHOLARS		Intro to Kinesiology	Vet Medicine	STEAM Explorers!	Young Physicians	Tiger Chef	Tiger Challenge & Harry Potter				
	7th–8th	Explore Microbiology	Architecture & Environmental Design	Digital Journalism & Broadcasting	CSI: Forensic Science	Engineering & Innovation	Law & Mock Trial				
					Exploring Computer Science	NO PROGRAMS					

Tiger U course schedules and meeting times vary. Refer to the course description for details.

TIGER U	9th–12th	ACT Test Prep (June 3–6)	Intro to Computer Science & Programming	ACT Test Prep (July 8–11)	Academic Success Strategies	ACT Test Prep (July 29–Aug 1)	ACT Test Prep (Aug 5–8)
	Residential Camps 10th–12th	CGI Modelling & Animation for Beginners	College Major & Career Boot Camp	Guide to Using Unity for Video Games	Digital Art & Design		
	Architecture Camp (June 9–14)	LeaderShip U (June 16–21)	Robotics Camp (June 23–28)	LeaderShip U (July 7–12)			
	LSU STEM Pathways: Intro to Engineering (June 9–28)						
	LSU College Readiness Program: Math Circle (June 9–28)						
	LSU College Readiness Program: Calculus & College Mathematics (June 9–28)						

TIGER U

GRADES 9–12

If you are entering grades 9–12, join us this summer at Tiger University! Learn in a college-like environment that is academically engaging and builds college readiness. Interact with LSU faculty and field experts, and enjoy unique resources of the LSU campus as you meet new people. Hands-on interactive courses are the perfect chance to investigate your favorite subjects or find something new to explore.

SPECIALTY & TECHNOLOGY CAMPS

DESIGNED FOR STUDENTS ENTERING GRADES 9–12

ACT Test Prep: Summer Institute

The LSU ACT test preparation Summer Institute program covers skills needed for success on the ACT. Real test questions show just how these skills are tested, and our instructors are committed to providing individualized attention to the needs of each student. The program consists of 20 hours of classroom instruction from an experienced instructor, together with additional practice with access to online resources, four online hours of review sessions, and open office hours. All sessions are held on the LSU campus. Test-taking strategies and question formats are covered, along with all ACT test components: Quantitative subjects (equations, fractions, ratios, geometry), and Verbal subjects (analogies, sentence completion, and critical reading). Course fee includes all sessions and course materials.

LSU-Baton Rouge

Session I: June 3–6; 9:00 a.m.–3:00 p.m. (Monday–Thursday)

Session II: July 8–11; 9:00 a.m.–3:00 p.m. (Monday–Thursday)

Session III: July 29–August 1; 9:00 a.m.–3:00 p.m. (Monday–Thursday)

Session IV: August 5–8; 9:00 a.m.–3:00 p.m. (Monday–Thursday)

Slidell

Session I: July 8–11; 9:00 a.m.–3:00 p.m. (Monday–Thursday)

Course Fee: \$499

CGI Modeling & Animation for Beginners

In partnership with LSU Digital Media Arts & Engineering and LSU School of Art

In this week-long camp, learn basic techniques for creating and animating CGI models. Explore the history of animation and where 3D computer animation is today. Investigate topics like creating materials and textures for computer models as well as how to light them. Practice some entry-level techniques, and create some simple CGI animations on your own. Anticipate campus activities and tours as well.

June 10–14; 9:00 a.m.–4:00 p.m., Monday–Friday

Course Fee: \$450



College Major & Career Boot Camp

Designed for students entering grades 11 & 12 or graduating seniors

Answer the question, “Who am I?” and use what you learn to make smart college and career decisions. If you are a rising high school sophomore, junior, or senior in fall 2019 or are a 2019 graduate who wants to make excellent decisions about college majors to prepare for a meaningful and enjoyable career, this camp is for you. Using ability, aptitude, and personality testing, thoroughly explore your abilities, interests, personality, and values. Identify occupations that seem to be the best fit for you, and explore a plethora of information about these careers to help you make sound decisions about majors and college curricula. By the end of the week, you’ll have a personalized college and career action plan and specific next steps to move forward in the decision-making process.

Special Instructions: Bring ear buds or head phones.

June 17–21; 1:00 p.m.–4:00 p.m., Monday–Friday

Course Fee: \$375

Introduction to Computer Science & Programming

*In partnership with **LSU Division of Computer Science & Engineering and Louisiana Economic Development***

Designed for students entering grades 9–12

Do you want to get a head start learning about computer science and programming? Computer science is one of the fastest-growing fields in today’s job market. It plays a crucial role in our IT infrastructure, supporting all kinds of applications from scientific computing to engineering, from game development to social media, from business administration to healthcare, and many other domains. In this camp, develop problem-solving skills in programming and learn key concepts in major areas of computer science (such as technology systems, networks, algorithms, data structures, data analytics, visualization, artificial intelligence, robotics, and cybersecurity). Explore cutting edge labs and interact with computer science faculty and students

June 17–21, 9:00 a.m.–4:00 p.m., Monday–Friday

Course Fee: \$375

*(Limited financial assistance scholarships available)
Camp will be held in Patrick Taylor Hall*

A Beginner’s Guide to Using Unity for Video Games

*In partnership with **LSU Digital Media Arts & Engineering and LSU School of Art***

Unity is one of the leading video game engines. It’s free to download and easy to learn with great online tutorials. Learn the basic building blocks that go into creating your first video game using Unity. Prior CGI experience is not required, but you can get an excellent introduction to CGI by taking “CGI Modeling and Animation for Beginners” (see page 2). Anticipate campus activities and tours as well.

July 8–12; 9 a.m.–4 p.m., Monday–Friday

Course Fee: \$450

Digital Art & Design

*In partnership with **LSU Digital Media Arts & Engineering and LSU School of Art***

Do you find yourself with a designer’s eye and a creative itch? Scratch it by developing technical skills you need to thrive in the today’s digital arena. Expand your horizons and accelerate your progress by exploring Adobe Photoshop and Adobe Illustrator. Use digital photography, vector artwork, and typography across multiple platforms. Create your own brand, design a poster, and receive guidance on a self-selected personal piece to start your portfolio. Top it all off with a primer on motion graphics in Adobe After Effects to add versatility and some heft to your new bag of tricks. Anticipate campus activities and tours.

July 15–19; 9 a.m.–4:00 p.m., Monday–Friday

Course Fee: \$450

Academic Success Strategies

*In partnership with **LSU Center for Academic Success***

Learn scientifically proven, easy-to-use approaches for studying, learning, and retaining information. Determine the strategies that work best for you based on your individual preferences in order to learn more efficiently and at higher levels. Discover how to balance fun with study time and get the most out of your day through goal setting, time management, motivational techniques, and procrastination-busting tips. Additionally, explore test preparation, test taking, and stress reduction strategies to help you improve your exam performance.

July 15–19; 12:30 p.m.–4:30 p.m., Monday–Thursday

Course Fee: \$375

Knowledgeable and patient instructor. Great way to learn more about yourself and narrow down college major options to best fit my career path.

College Major & Career Bootcamp Student



RESIDENTIAL CAMPS

The camp was amazing, I had a great time and it helped me decide that I want this to be my career.

Architecture Camp Student



LSU Architecture Camp

*In partnership with **LSU School of Architecture**
Designed for students entering grades 10–12
(Limited financial assistance scholarships available)*

Do you think you might want to be an architect? This one-week residential camp is an exciting chance for high school students entering grades 10–12 to explore the world of design and architecture. Explore basic design principles and techniques to create hands-on building and model-making activities. Interact with faculty and LSU architecture students on real-life projects. Tour the unique architecture and landscape architecture of the LSU campus and visit construction sites and local architecture firms.

- Get a taste of college life—live on campus (includes residence hall accommodations and meals)
- Explore architectural ideas through hands-on studios and field trips
- Attend seminars and lectures, and participate in critiques
- Meet professional architects: learn how they work, and how they prepared for their careers

June 9–14, Sunday–Friday

Course Fee: \$975 (\$925 by May 3, 2019)
(includes full program, housing, meals and more!)

**Register by May 3 & SAVE
\$50 OFF FULL DAY**

LeaderShip U Residential Program

Designed for students entering grades 10–12
(Limited financial assistance scholarships available)

Prepare for success in college and beyond! This one-week residential camp on the LSU campus is designed to excite and inspire high school students entering grades 10–12. Learn about yourself and your impact on others, and explore your role in the world at large. Experience college life and put knowledge into practice through goal-setting, team-building, and leadership activities. Gain a sense of accomplishment and enjoy camaraderie during the program, and develop long-term friendships that extend beyond the program. We invite you to come and be challenged by a week of intensely fun learning and leadership!

Session I: June 16–21; Sunday–Friday

Session II: July 7–12; Sunday–Friday

Benefits of LeaderShip U:

- Improve your communication ability in any setting
- Generate motivation to go after your biggest dreams
- Develop self-management skills and an action plan to achieve your goals
- Explore your leadership potential
- Get serious about the college admissions process
- Develop a positive self-image and learn the power of positive beliefs
- Learn about developing networking opportunities and lifelong friendships

Eligibility Requirements:

- Must have 2.75 GPA or higher
- Complete online application and upload the following documents to application:
 - Grade report or transcript
 - Recommendation letter from a teacher, principal, advisor, mentor, employer, etc.

Registration is on a first-come, first-served basis as qualified applicants register.

Course Fee: \$975 (\$925 by May3, 2019)
(includes full program, housing, meals and more!)

Great opportunity to be a part of the LSU campus life, meeting new people. Best high school experience by far!

LeaderShip U Student

THE PROGRAM AT A GLANCE

Sunday

Check in and get to know your peers.
What's this all about?

Monday

Who are you? Who is everyone else? Take a campus tour.

Tuesday

Communication and challenge course

Wednesday

Conflict resolution, successful interactions, managing me, and field trip/tour

Thursday

College admissions and campus scavenger hunt

Friday

Career exploration and mentor roundtable; commencement/awards ceremony

* Schedule is subject to change



LSU Robotics Summer Residential Program

In partnership with **LSU Department of Mechanical and Industrial Engineering**

Designed for students entering grades 9–12
(Limited financial assistance scholarships available)

Do you think you might want to pursue a professional career in the STEM field? Robotics is at the intersection of mechanical engineering, electrical engineering, and computer science? Join us in this new summer camp to explore the basic principles behind the fascinating and growing world of robotics! While you're on campus, you'll get a sneak peek into life as an engineer at LSU. Learn about the essential components of robotic systems by using the VEX platform to build and program a functioning robot. The camp involves hands-on activities and the opportunity to interact with LSU faculty and students.

- Get a taste of college life—live on campus (includes residence hall accommodations and meals)
- Visit LSU facilities, attend field trips and participate in group activities
- Explore different robotic platforms being used for research and education at LSU.

June 23–28, Sunday–Friday

Course Fee: \$1195 (\$1145 by May 3, 2019)
(includes full program, housing, meals and more!)

LSU STEM Pathways: Introduction to Engineering

In partnership with the **LSU College of Engineering and the Gordon A. Cain Center for STEM Literacy**

Designed for students entering grades 9–12

Do you have an interest in STEM but aren't sure what you want to be when you grow up? Don't worry...you aren't alone! But we're here to help you narrow it down by introducing you to ten possible college majors and career options in STEM fields. Through interactions with LSU engineering faculty, visits to real engineering labs, and hands-on projects related to ten primary engineering disciplines, you can immerse yourself in the field of engineering! Use your experience to help you make informed decisions about future elective choices in high school, find an interesting major in college, and eventually lead you to the career of your dreams!

June 9–28, Sunday–Friday (3 weeks)

Course Fees:

Commuters: \$1,395 (\$1,295 by May 3, 2019)
(includes lunch)

Residential: \$3,350 (\$3,150 by May 3, 2019)
(includes full program, housing, and meals)

LSU College Readiness Program: Math Circle

In partnership with the **LSU Department of Mathematics and the Gordon A. Cain Center for STEM Literacy**

Designed for students entering grades 9–12

Do you want to expand your knowledge of mathematics? Want to prepare for university-level math classes? At Math Circle, take rigorous courses in number theory and combinatorics, as well as a choice of electives ranging from coding to statistics. You and other like-minded students will collaborate to solve challenging problems, communicate your findings, and gain a broader understanding of higher-level math and its applications.

- Learn from expert instructors about mathematics not taught in the high school curriculum
- Participate in fun all-day math activities like the Math Circle Casino and the campus-wide Cryptography Scavenger Hunt
- Get a taste of college life through tours and on-campus activities

June 9–28, Sunday–Friday (3 weeks)

Course Fees:

Commuters: \$1,395 (\$1,295 by May 3, 2019)
(includes lunch)

Residential: \$3,350 (\$3,150 by May 3, 2019)
(includes full program, housing, and meals)

LSU College Readiness Program: A Survey of Calculus & College Mathematics

In partnership with the **LSU Department of Mathematics and the Gordon A. Cain Center for STEM Literacy**

Designed for students entering grades 9–12

Planning to take college-level Calculus (advanced placement or dual enrollment)? Would you like to get ready for it? Explore standard college courses like Discrete Mathematics, Linear Algebra, and Differential Equations.

The aim of the program is to provide:

- a sound conceptual understanding of the essential elements of calculus and their importance in science and engineering,
- project-based activities designed to explore the breadth of college-level mathematics,
- college-learning experiences and preparation for transition to college life.

June 9–28, Sunday–Friday (3 weeks)

Course Fees:

Commuters: \$1,395 (\$1,295 by May 3, 2019)
(includes lunch)

Residential: \$3,350 (\$3,150 by May 3, 2019)
(includes full program, housing, and meals)

Great camp and a great way to introduce students to LSU Engineering!

Robotics Camp Student

TIGER CHALLENGE

GRADES K-6

Join us for a summer at LSU! Tiger Challenge is a unique academic summer program that engages the imagination of students entering grades K through 8. With the strong tradition and resources of LSU, we attract exemplary teachers from around the state, who integrate math, reading, writing, science, and social studies into themes designed to encourage students to reach higher.

Critical thinking, problem-solving, communication, and leadership skills are emphasized in a community of motivated students. Experience programs that capture students' interests, create hands-on projects, learn from experts in LSU departments, and gain valuable preparation for the upcoming school year

TIGER CHALLENGE: KINDERGARTEN

Prepare for kindergarten! This popular two-week course is designed for children entering kindergarten with an emphasis on preparing them for the routines and activities that they will encounter in their first kindergarten classroom. Participate in bi-weekly science experiments, LSU field trips, and hands-on activities as your child learns fun strategies for reading, writing, and math.

Our first two-week session is focused on community helpers, while our second dives into the five senses! In July, we focus on all things animal! Each theme offers different activities to keep the experience exciting for students who want to enroll in all sessions.

PLEASE NOTE: Students must turn 5 years of age before September 30, 2019. We welcome students 6 years of age who are entering or repeating the kindergarten year.

Half Day: 8:00 a.m.–12:00 p.m.
Course Fee: \$325 (for two weeks)

Full Day: 8:00 a.m.–4:30 p.m.
Course Fee: \$595 (for two weeks)

Location: LSU Lab School

Two-Week Sessions, Monday–Friday

Session I: June 3–14 (Community Helpers)

Session II: June 17–28 (Five Senses)- New

Session II: July 8–19 (Animals)

Early Morning Welcome:

Early arrival is available for students who are enrolled in Tiger Challenge. At no additional cost, students may arrive as early as 7:30 a.m. Registration not required.



TIGER CHALLENGE: 1ST GRADE

DESIGNED FOR STUDENTS ENTERING 1ST GRADE

One-Week Sessions, Monday – Friday

Half Day: 8:00 a.m.–12:00 p.m.

Course Fee: \$200

Full Day: 8:00 a.m.–4:30 p.m.

Course Fee: \$350

Location: LSU Lab School

Early Morning Welcome

Early arrival is available for students who are enrolled in Tiger Challenge. At no additional cost, students may arrive as early as 7:30 a.m. Registration not required.

ABC Your Way to the Movies

June 3–7

Dive into the movies, Tiger Challenge style! We focus on one of our favorite movies and incorporate math, science, language arts, cooking, art, music, into each day! Let your light shine through with Trolls; race down ramps with the characters from Cars; and cook gumbo with Tiana and her Louisiana friends! Join us as we dig deep into numbers with the math Minions and explore water with Nemo and friends. Don't miss this the chance to see it all!

Pets & Vets

June 10–14

Attention all pet-lovers! This is the purr-fect opportunity to learn about different types of pets, exotic animals, and the responsibilities of pet ownership. Learn how to care for a pet, the role of veterinarians, the use of x-rays, and important issues that face animals in our society. Enhance your reading, science, and math skills as you visit with a veterinarian and participate in hands-on projects and games. LSU campus field trips and work in teams to share responsibilities. The perfect first pet vet class!

I'm super impressed with the course, teachers, efficiency of the camp, and the communication. Best week of my son's summer!

1st Grade Parent

Mad Scientists

June 17–21

Inquisitive minds want to know! Put on your lab coat and spend a week with us for opportunities to be creative with a variety of materials, engage in age-appropriate research, project-based learning and collaborate with fellow scientists! From making ice cream in a bag to exploring the engineering and design process, we tackle all things scientific! Learn the rules of lab safety, create awesome experiments and them share them with your parents. Take part in science labs, LSU field trips, and hear from speakers in the field!

Creepy Crawlers

June 24–28

Future entomologists—grab your magnifying glasses! From ants and ladybugs to beetles and spiders, take a closer look at all of these interesting creatures. Use math measurement and estimation skills to compare different creepy crawlers. With the use of cross-curricular activities and technology, research and learn about animals and their life cycles on our planet, and how important they are to you! Creepy, but in a great way!

Spinning in Space

July 8–12

Prepare to soar and learn fun facts about the galaxy, sun, stars, planets, moons, and more! Hands-on science activities are integrated with music, poetry, and art. Create an edible version of the moon phases, a solar system model, and contain a galaxy inside a jar! Take LSU field trips, hear from speakers and learn more about space than you can imagine! Join us, it's SPACEtacular!

Tiger Challenge Bus & Us

July 15–19

Fasten your seatbelts and hold on for a wild ride as we "travel" alongside the Tiger Challenge Magic Bus! Transform the way you see the world through hands-on activities integrated with science, social studies, math, music, and cooking. Examine cells under microscopes, inspect for germs with a black light, observe beehives and ant hills, and much more! From the smallest of the small to the biggest of them all, activities, field trips, and guest speakers make this a block"BUS"ter week!

TIGER CHALLENGE: 2ND GRADE

DESIGNED FOR STUDENTS ENTERING 2ND GRADE

One-Week Sessions, Monday – Friday

Half Day: 8:00 a.m.–12:00 p.m.

Course Fee: \$200

Full Day: 8:00 a.m.–4:30 p.m.

Course Fee: \$350

Location: LSU Lab School

Early Morning Welcome

Early arrival is available for students who are enrolled in Tiger Challenge. At no additional cost, students may arrive as early as 7:30 a.m. Registration not required.

Solids, Liquids & Gases, Oh My!

June 3–7

Young scientists enjoy a fun week dedicated to investigating solids, liquids, and gases, and understanding the concept of mixtures. Examine the evaporation process first-hand; conduct investigations to see if common materials either sink or float; and perform jaw-dropping experiments with gases! Use your new knowledge to explore sites on the LSU campus, and even get a taste of fun mixtures at the smoothie shop!

Jr. Naturalist

June 10–14

Okay, nature enthusiasts! Foster your appreciation for the environment and inspire a sense of wonder through experiences with the natural world! Engage in hands-on activities, nature hikes, science experiments, and games that take you outdoors. Learn how plants contribute to life on Earth and hear from professionals at LSU as you fine-tune not only your math and science skills, but your art and cooking skills too!

Tiger Challenge Campout

June 17–21

Oh, do we have a camp for you outdoor enthusiasts! Grab your tent, compass, and camping gear, and let's make some s'mores! Enjoy an interactive week of field trips, speakers, and hands on-activities, from a classroom cookout, to storytelling and tie-dye. Use your skills to measure your hiking steps, create a solar oven, build a flashlight, and more! Learn about personal safety and environmental safety. Work as a team to decipher clues on the Tiger Challenge scavenger hunt. It's the perfect classroom campout experience of the summer!

NOTE: This course is held in the classroom and will take outdoor excursions.

Jr. Med

June 24–28

Interested in medicine? How about being a doctor? Learn the basic systems and functions of the human body, and reinforce a healthy lifestyle. Use your five senses to perform investigations and tap into the creative parts of your brain as you create models of your body and learn how they work together. Jump into fun exercises to strengthen your muscles and plan recipes to give your body the energy it needs. Hear from speakers in the field of medicine such as researchers, doctors, x-ray technicians, and more.

Who Would Win?

July 8–12

A Tiger Challenge take on the popular Who Would Win book series! Join us for a week as we discover what would happen if a whale met up with a great white shark. Who do you think would win? How about a tiger and a razorback? Packed with opportunities to learn about a variety of animals, their characteristics, and what features make them incredible survivors. Participate in activities that integrate STEM, literature, and art. Create your own “who would win?” challenges; work in teams and individually. Take LSU field trips and visit with guest speakers!

NEW!

Have No Fear, I'm an Engineer

July 15–19

So you want to be an engineer? Take your first step in this STEM (Science, Technology, Engineering, and Math) course: design fun prototypes, test their effectiveness, and focus on re-design. Build bridges and tables, race invented vehicles with human-generated wind power, and test paper airplanes to develop the best models. Improve your math skills as you work in teams to set a budget, select materials to create projects, and gain confidence in problem solving. It's a fun week of hands-on projects to open your eyes to the world of engineering! Visit LSU campus and speak to leaders in the field.

It inspired my child to be creative and work with others.

2nd Grade Parent

TIGER CHALLENGE: 3RD/4TH GRADE

DESIGNED FOR STUDENTS ENTERING 3RD & 4TH GRADE

One-Week Sessions, Monday – Friday

Half Day: 8:00 a.m.–12:00 p.m.

Course Fee: \$200

Full Day: 8:00 a.m.–4:30 p.m.

Course Fee: \$350

Location: LSU Lab School

Early Morning Welcome

Early arrival is available for students who are enrolled in Tiger Challenge. At no additional cost, students may arrive as early as 7:30 a.m. Registration not required.

Full STEM Ahead

June 3–7

A week of adventure in science, technology, engineering, and math! Learn to think creatively, problem solve, and strengthen your critical thinking skills as you test your strengths and compete in exciting STEM competitions! Hands-on projects, guest speakers, and LSU field trips lead you on your way as you explore the fields of mechanical, marine, electrical, and civil engineering. Work in teams and individually, and put your skills to the test when you learn new concepts. All aboard!

Space Detectives

June 3–7

Have you ever wondered if you could survive in outer space? What would you eat? Where would you live? Join us for a unique week as you journey on a mission that requires you to make and launch your own rocket, analyze its trajectory, and see just how high it can actually go! Work with your space mission team to investigate which planet you would like to inhabit and why. Participate in projects and work in teams to discover mysteries relative to space; visit with experts in the field. LSU field trips, technology, speakers, and fun projects fill this galaxy!

Outstanding teachers and outstanding courses!

3rd–4th Grade Parent

The Great Escape!

June 10–14

It's here, the Tiger Challenge Escape! Use your brain, wits, inventive mind, and most importantly, your team! Solve complex puzzles and clues using a variety of topics in science and social studies to move to the next stage of the game. Bring the 4 C's alive! critical thinking, collaboration, creativity, and communication as you are guided through theme challenges. Watch as your team unlocks new clues as your quest to escape continues!

NEW!

Human Body

June 10–14

When you eat strawberries, how exactly does the taste reach your brain? What do an eggshell and a bone have to do with you? What is blood and how does it work? Make "sense" of your body by immersing yourself into the human body systems. Learn to predict height by measuring a single bone, and use the scientific method to explore the world of dissection. Prepare a scientific journal and compare your results to the findings of classmates. Create a hands-on interactive digestive system, and take a close look at what makes blood so essential for life! This is a great class to prepare you for our Jr. Med!

ABC's of Survival Skills

June 17–21

Discover the value of personal safety when you build confidence to survive and thrive in the outdoors! Work in teams, practice your leadership skills, and put yourself to the test as we take nature walks, plan trips, discuss food preparation, and leave no trace. With unique field trips, speakers, and hands-on activities, learn how to identify poisonous plants, respond to wild animal encounters, and make drinkable water, design a map, and experiment with solar cooking. Use art to express yourself with a survival bracelet, and act out first-aid scenarios. Finish your week with the Tiger Challenge Adventure Challenge and earn your stripes!

Water Explorers

June 17–21

From the Gulf of Mexico to Lake Bistineau, get hooked when you explore the local waterways of Louisiana. Dive in and learn about the creatures that live in our lakes, rivers, and coastal wetlands. Discover advantages and disadvantages to a levee system and what we can do to support the redevelopment of our coastline. Try your luck at cane-pole fishing in the LSU Lakes! Enjoy hands-on projects, science experiments, expert speakers, field trips, and more. See you at the water's edge!

Guinness World Records: Can You Break It?

June 24–28

There are new records to be broken! The question is: Do you have what it takes to be a Guinness world record holder? From people to pets, buildings and sports, explore some of the world's longest, shortest, fastest, and tallest records on file. Challenge yourself to break Tiger Challenge records as we create our own competitions to experiment with records never tried before!

Tiger Techies

June 24–28

NEW!

Technology at its best! Learn all about computers when you dive into the pieces that make it work! Use Microsoft Office Suite, creative iPad apps, coding apps, and kid-safe search engines/databases. Gain experience in research, coding, photo editing, digital citizenship, and animation! Work with Mac laptops, iPads, and PCs. This course has it all! And don't worry, you'll have a personal flash drive to keep and share your work!

Dinosaurs & Fossils

July 8–12

NEW!

Calling all paleontologists: let's talk ancient ecosystems! This course is for you! Learn about dinosaurs and explore their anatomy, eating habits, locomotion, and environmental and behavioral adaptations. Discuss origins and extinction and then dive into Paleontology as we examine different types of fossils. You will learn about plant and animal fossils; single-celled organisms; how they are formed and why they form on rock. Join us this week and let's talk ancient ecosystems! Visit labs, hear from speakers in the field, participate in team challenges, and create hands-on projects.

Tiger Chem Lab

July 8–12

Chemist, you say? Uncover the fascinating world of chemistry! Experiment with physical and chemical changes, create mixtures and solutions that you can eat and drink, and write a secret letter to a friend using invisible ink! Formerly Chemistry Collisions, this course allows you to crack the code by using mathematical equations, explore chemical reactions that occur in the human body, and learn how this affects you every day. Participate in a scavenger hunt connecting the periodic table to objects that surround us. Take LSU field trips and speak to leaders in the field. This is the perfect introduction and precursor to our Forensic Science course next year!



Junior Inventor

July 15–19

Did you know that computers used to be the size of your house? That phones were attached to a wall? Have you ever wondered who invented sticky notes? Find out these answers and more when you become a junior inventor this week! Invention is where creativity and problem-solving skills come together. You are the star here and we can't wait to see what you create! Explore innovations from the past, and create ideas for the future. Investigate how science is fueling innovation, and visit the front lines of exploration through LSU field trips, projects, and speakers.

Tiger Time Travelers

July 15–19

Are you ready to travel back and forth in time? Jump into the world of dinosaurs; create your own mummy with the Egyptians, and make artifacts like the Louisiana's Native Americans. Become a knight or damsel from medieval times as you search for lost treasure, and end your week skyrocketing into the future as you create your very own inventions! Guest speakers, field trips, and hands-on projects are included all week. Take everything you create home with you in a Tiger Challenge time capsule! A time you won't forget! our geometry scavenger hunt! On field trips, learn to work as a team and test your individual skills!

**Register by May 3 & SAVE
\$50 OFF FULL DAY**

TIGER CHALLENGE: 5TH/6TH GRADE

DESIGNED FOR STUDENTS ENTERING 5TH & 6TH GRADE

One-Week Sessions, Monday – Friday

All Full Day: 8:00 a.m.–4:30 p.m.

Course Fee: \$350

Location: LSU Lab School

Early Morning Welcome

Early arrival is available for students who are enrolled in Tiger Challenge. At no additional cost, students may arrive as early as 7:30 a.m. Registration not required.

Googly for Google

June 3–7

Are you ready to go googly for all things Google? Learn to code with Google's CS First curriculum using the Scratch programming language. Create a Google logo! Learn internet safety in a Google game called Interland; discover how to navigate Google Earth and maps; and use the Google search engine like a pro to search effectively. Use Google apps to create documents, presentations, forms, and drawings; and use Google Chrome and its many extensions efficiently. Let's prepare to reach higher-level computer and information science concepts together!

Intro to Kinesiology

June 3–7

This is for all the kids on the move! What's the point of exercise? You are! Join us and learn from experts how to set realistic physical activity goals that are also fun! Visit state-of-the-art facilities at LSU and gain the knowledge and skills to become healthy and physically active. Complete a fitness test, and create action goals to live a healthy lifestyle; participate in recreational games and activities that keep your heart rate up and your body moving; learn nutrition tips; and take a visit to the LSU kinesiology and sports medicine department! The perfect class to improve confidence, promote fitness, and customize a personal plan unique to you.

NEW!

Digital Story Telling: Art & Technology

NEW!

June 10–14

Bring a story to life using stop-motion animation and artistic creations designed by you! Experiment with stop-motion video using humans and objects to create a mini adventure of your very own. Collaborate with team members to develop a theme and then create a storyboard that will put your character and story into motion! Learn visual artistic effects and how they enhance the setting in movies and illustrations. Combine different media, such as clay, watercolors, acrylics, collage, and 3-D designs in a mixed media design to accompany this visual narrative. Using Garage Band, add a song, and put it all into iMovie for the final touches! LSU field trips and expert speakers in the field round out the week.

Vet Medicine

NEW!

June 10–14

Have you ever wondered what happens when you take your pet to the vet? Well, wonder no more! Peek into the life of a vet as you discover what's behind a diagnosis. Delve into aspects of veterinary science and explore the circulatory, digestive, skeletal, muscular, and nervous systems of four-footed patients. Peer through a microscope at bacteria, and determine whether a disease is hereditary. Field trips, project-based games and expert speakers fill out our week. You won't want to miss this one!

Espionage: Secret Agent

NEW!

June 17–21

Do you have what it takes to be a secret agent? In this mission, if you choose to accept it, investigate the positive and negative aspects of the life of a spy. Use your teamwork and critical thinking skills to discover what it takes to become a spy, and learn about national and international espionage. Examine the critical roles that spies have played in forming civilizations. Crack codes, work in teams on missions, attend secret briefings, and have adventures around LSU. Discuss surveillance techniques and undercover maneuvers. Hunt for a mole within the ranks and join us for a role-play adventure you will never forget!

This is our 4th year and we love it!!!

5th–6th Grade Parent

STEAM Explorers

June 17–21

The “Maker Movement” has returned! Join us as we encourage a DIY (Do It Yourself) space where you can invent and learn concepts connected to STEAM (Science, Technology, Arts, and Math)! Use your artistic expression to build a scribble robot; take a toy apart and build a new one; and engineer your very own digital bling! Learn five self-esteem concepts to fuel your ambition as a young inventor; take field trips on the LSU campus, and hear from leaders in the field. It’s the maker experience of the summer and one you can’t miss!

Jr. Entrepreneurs

June 24–28

It’s time to get biz smart! Experience first-hand the challenges and triumphs of starting and managing a business. Engage in creative problem-solving, product testing, and team building as you compete in team challenges and solo business decisions. Learn to develop a business plan to present to a panel of potential investors. Discover how to develop a budget, set goals, and recognize opportunities in this rare look into a startup company. LSU field trips, speakers, and fun business games that focus on critical thinking, problem solving, math, and more!

Young Physicians

June 24–28

Are you interested in becoming a doctor? If so, spend a week with us and get a head start on a medical career! Make a cast, learn how to take vital signs, and try your hand at suturing as you learn more about the human body. Compare your bones and tendons to those of other mammals; learn about DNA, X-rays, personal health, human anatomy, and more! Perform a mock surgery and understand the value of team work in this important profession! Hear from experts in the field such as doctors, dentists, researchers, or EMTs, and take valuable field trips on the LSU campus!

Eco-Voyagers

July 8–12

From land to sea and back again! Explore diverse ecosystems and investigate the plants and animals that live there. Uncover the unusual creatures found in the intertidal zone of a beach; canoe through a wetland; and scramble through a forest in search of tracks and other animal signs as you join us on a weeklong trek through the many unique ecosystems in our LSU backyard. With technology at your fingertips, learn how scientists use remote sensing to scan, track, and explore our universe from the deepest depths of the oceans to the farthest reaches of space. Track wildfires, the patterns of wildlife migrations, and the motion of sea ice! Learn about Earth’s ecosystem through a multi-disciplinary approach to learning and incorporates chemistry, oceanography, ecology and marine biology.

Tiger Chef

July 8–12

Cooking with science—it’s time for a cooking challenge! In this hands-on course, junior chefs learn basic culinary skills, nutrition awareness, and food safety. Test your palate and gain basic training in food seasoning, master food preparation, and creating dishes unique to you. Each day culminates with a team cooking challenge where you can test your skills in head-to-head competitions. Gain insight from professionals and take interactive field trips as you learn new trends in food product development. Finish the week with recipes you can make at home! This class is popular, so register early!

Bugs & Engineering

July 15–19

We’re talking all kinds of bugs! Animal bugs, human virus bugs, and computer bugs! Did you know that a house fly was used as a model for a drone developed for investigative work? And that the world is in constant protection mode to stay in front of the next big virus bug? Learn how computer bugs can cause havoc on an entire organization or country. Dive into the world of engineering and bugs; how they are related and how we can use technology to our advantage as we move toward into the next generation! Learn from experts in the field, take field trips, and create hands-on projects.

Tiger Challenge & Harry Potter

July 15–19

Designed especially with our Tigers in mind, step into the world of Harry Potter, as we welcome both the casual fans and the Pottermaniacs. Known to the Muggle world as STEAM, our magical course of study includes Herbology, Potions, Arts, Care of Magical Creatures, Magizoology, and Transfiguration. Take part in muggle quidditch, house cup competitions, and common room fun. Use science, technology, art, and math to prepare you for your next adventure. See you there!

NEW!

NEW!

NEW!

NEW!

NEW!



TIGER SCHOLARS

GRADES 7–8

This unique program invites pre-college students entering grades 7–8 grade to join us as a Tiger Scholar! University High School serves as the home base for these courses unless otherwise noted. Students expand their knowledge in a field of interest and gain valuable access to the nationally-acclaimed resources on the campus of LSU. Instructors work collaboratively with university departments to secure lab visits, college readiness tours, expert introductions, and engaging project-based learning. Shape your leadership skills, reach into high-level concepts, and prepare for the next step in your academic journey! This is the perfect bridge to Tiger University for grades 9–12.

One-Week Sessions, Monday–Friday

All Full Day: 8:00 a.m.–4:30 p.m.

Course Fee: \$375

Location: LSU University High School

Early Morning Welcome

Early arrival is available for students who are enrolled in the LSU Junior Scholars Program. At no additional cost, students may arrive as early as 7:30 a.m. Registration not required.

Explore Microbiology

June 3–7

Discover the world of tiny microorganisms! Did you know that microbes are everywhere, including in and around you? Step into the world of microbes and learn their important role in the ecosystem. Visit and work in LSU labs; speak with experts as they share their research; and make microbes fun when you work in teams with hands-on experiments. From killer microbes and microbial genetics, to metabolism and more, open your eyes to an entirely new kind of world!

NEW!

Excellent program. Hope to send our kids to many other programs.

7th–8th Grade Parent

Architecture & Environmental Design

June 10–14

Explore the intersection of architecture and environmental science. Use a creative design process to explore and imagine environmental issues with local and international relevance. Teachers from Ripple Effect, a water literacy organization, lead the way with exciting field trips and hands-on design activities. Make connections with other young designers at the LSU School of Architecture by presenting work and attending an architecture review. Collect scientific data from a familiar site, use drawings and other forms of media to express observations, and meet with architects, artists, urban planners, and scientists to learn about current challenges in water management. Bring your scientific and design talents together!

Digital Journalism & Broadcasting Basics

June 17–21

Your time to make a difference is now! Learn innovative ways to reach people this week as you become a digital broadcaster and create video reports, digital stories, and podcasts. Train in the fundamental principles, techniques, and crafts of the exciting field of broadcast journalism. Experience hands-on instruction in camera operations, audio, lighting, interviewing, and story development! Work individually and in teams to explore audience connections. Guest speakers and field trips included to assist in finding your unique voice to change the world!

NEW!

CSI: Forensic Science

June 24–28

A week completely devoted to forensic scientists! Gain an introduction to understanding the science behind crime scene and evidence analysis. Become an active part of a mock crime scene, identify possible suspects, gather evidence and form a case. Learn from forensic experts, visit the nationally-renowned LSU Faces Lab and hone your observation, creativity, and intellectual skills. Work in teams to analyze evidence, and learn about DNA, blood analysis, forensic art, trace evidence, and polygraphs. Learn the importance of sketching and how to identify possible suspects. Dive into soil samples and arson investigations, as well as forensic profiling. No evidence is too small with microscopic investigations, including hair analysis, toxicology, and fiber comparisons. Suit up and let's solve this!

NEW!

Exploring Computer Science

*In partnership with **LSU Division of Computer Science & Engineering and Louisiana Economic Development** (Limited financial assistance scholarships available)
To be held in Patrick Taylor Hall*

June 24–28

In today's world, computing is everywhere, whether it is in the form of actual computers (laptops or desktops), cell phones, sensors, or many other embedded devices. Learn how these computing devices work and how they help us solve all kinds of interesting problems through hands-on experience with hardware and software. Explore cutting-edge labs at LSU and meet professors and students working in this exciting area! It's never too soon to start exploring the tremendous opportunities that await in this rapidly growing field!

NEW!

Engineering & Innovation

July 8–12

Change the world through innovation and engineering! Join us this week as we introduce you to a variety of cutting-edge engineering and computing fields. With the resources at LSU, identify a number of basic principles in engineering, including demonstrations based on current research activities. Through field trips and hands-on projects, work in teams to design, build, and present a project. Visit with local engineers and learn about engineering fields such as mechanical, civil, chemical, biomedical, electrical, and computer. It's an exciting time for engineers, with innovation at an all-time high!

NEW!

Law & Mock Trial

July 15–19

Have you ever wondered how the legal system actually works? Perhaps considering a career in law? Explore your knowledge base, explore options, and boost powers of persuasion. Spend a day in mock court as an attorney! Learn about the court system, criminal investigation, defense and prosecution, and trial prosecution. Hear from attorneys and law enforcement officers, and break down key cases in the media from all sides. Work in teams, visit local courts, and see the legal system from the inside. Visit the LSU Law School and learn the importance of persuasive argumentation skills, advocacy, and leadership skills.

NEW!



REGISTRATION INFORMATION

Courses fill quickly, so we encourage you to register early. Registrations are accepted on a first-come, first-served basis. Please register no later than one week prior to your first class meeting. All documentation required for course admission must accompany the registration, including medical information.

It's Easy to Register

Register for our programs online, by mail, telephone, or in person. All telephone and online registrations must be paid by credit card. We accept Visa, MasterCard, Discover Card or American Express. Please make all checks or money orders payable to LSU and include your driver's license number.

Note: A returned check charge of \$25 will be added to your registration fee if your payment is returned unpaid by your bank for insufficient funds.

Online Registration

Online registration is the easiest and fastest way to enroll your child in summer camps. Complete information on courses and camps can be found at www.outreach.lsu.edu/precollege

Telephone/Email

Phone: 225-578-2500

Fax: 225-578-3090

Email: precollege@outreach.lsu.edu

8:00 a.m.–4:30 p.m., Monday–Friday

Mailing Address/Walk-In Registration

Louisiana State University

Pre-College Programs

1225 Pleasant Hall

Baton Rouge, LA 70803-1520

Parent/Student Handbook

Our parent/student handbook contains information regarding policies and procedures such as: Students with Special Needs, Parking, Drop-Off and Pick-Up, Student Behavior, and more. We encourage you to read through the handbook, which can be found at www.outreach.lsu.edu/precollege

Refund & Cancellation Policy

- A \$20 processing fee is charged for all refunds.
- All refunds must be received in writing and can be emailed to precollege@outreach.lsu.edu.
- Full refunds (less the processing fee) will be granted for cancellations received 10 business days prior to course start date.
- For residential camps, a 50% refund (less the processing fee) is granted for cancellations received prior to 14 business days before camp begins.
- There are no refunds for cancellation requests received less than 10 business days prior to the course start date. You may transfer to another camp, but refunds will not be possible in the new registration.
- No refunds will be given after the first class meeting.
- LSU reserves the right to cancel courses. If the course is canceled, we can transfer you to another course or refund your entire payment.

Lunch

Tiger Challenge: Supervised lunch will take place at the LSU Lab School cafeteria from 12:00 noon–12:45 p.m. Students registered for a full-day program should bring a lunch and drink.

Tiger U: Students should bring lunch and a drink. Students are not allowed to leave campus during lunch, and are asked to stay in the vicinity of their building.

Questions? Call Us or Email Us!

If you have questions regarding our programs, please contact our office at 225-578-2500 or by email at precollege@outreach.lsu.edu.

**Register by May 3 & SAVE
\$50 OFF FULL DAY**

ACKNOWLEDGEMENTS

LSU Pre-College Programs would like to extend a special thank you to community partners that help make our programs a success. We appreciate your continued support! Individuals and companies wishing to make a tax-deductible donation to our programs should contact us at 225-578-2500.

SPECIAL THANKS TO

Gulf South Rotating
Machinery Symposium
www.gsrms.org



PARTNER PROGRAMS

LSU Digital & Continuing Education partners with several other organizations to bring high quality programs to you. Contact information is given below, and additional information can be found at www.outreach.lsu.edu/precollege

Institute of Reading Development

Our reading programs for students in grades Pre-K through 12 focus on skills such as comprehension, fluency, the love of reading, and speed-reading. We offer courses on the LSU Campus and at locations throughout Louisiana with flexible schedules. Locations include: Alexandria, Baton Rouge, Gonzales, Houma, Lafayette, Lake Charles, Shreveport and West Monroe

To register or receive more information, contact the Institute of Reading Development directly at 1-800-964-8888, Mon.–Fri., 7am–9pm; Sat., 7am–6pm; and Sun., 9am–5pm.

Cheerleading and Dance Camps

Southwestern Cheerleading Association (SCA)
337-477-5218

Duke TIP

Duke TIP offers its Summer Studies Program at a variety of college campuses across the country. LSU will serve as an Academy site for eighth, ninth, and tenth graders. Summer Studies is a three-week residential program for high-achieving young scholars.

<https://tip.duke.edu/>
919-668-9100

Open Monday–Friday, 8 a.m.–5 p.m ET



**Digital & Continuing
Education**

Pre-College Programs
Louisiana State University
1225 Pleasant Hall
Baton Rouge, LA 70803

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BATON ROUGE, LA

TIGER CHALLENGE

K – 6th GRADE

TIGER SCHOLAR

7th – 8th GRADE

TIGER U

9th – 12th GRADE

**REGISTER BY
MAY 3
& SAVE!**

**\$50 OFF
FULL DAY**

(Includes Residential Camps)

SIGN UP TODAY!

outreach.lsu.edu/precollege

225-578-2500

precollege@outreach.lsu.edu

