SUMMER CAMP US AT LSU

BEST. Summer. EVER!

REGISTER BY APRIL 20 & SAVE!

$50 OFF FULL DAY
(Includes Residential Camps)

Sign Up Today!
outreach.lsu.edu/precollege
225-578-2500
precollege@outreach.lsu.edu
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ACKNOWLEDGEMENTS

LSU Pre-college and Youth 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 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
Reading programs for students in grades Pre-K through 12 that 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.

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

Cheerleading and Dance Camps
Southwestern Cheerleading Association (SCA)
337-477-5218

Information in this catalog is correct at the date of publication, but is subject to change.
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https://tip.duke.edu/  (919) 668-9100
Open Monday–Friday, 8 a.m.–5 p.m ET
2018 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.

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

For more information and to register: outreach.lsu.edu/precollege or call 225-578-2500
Registration Office: 1225 Pleasant Hall, LSU Campus | Monday–Friday 8 a.m.—4:30 p.m.
**SPECIALTY & TECHNOLOGY CAMPS**

**ACT Test Prep: Summer Institute**

The LSU ACT test preparation Summer Institute 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 meet your specific needs. The program consists of 20 hours of classroom instruction from an experienced instructor, together with additional practice, 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.

- **Session I:** June 4–7; 9:00 a.m.–3:00 p.m. (Monday–Thursday)
- **Session II:** July 9–12; 9:00 a.m.–3:00 p.m. (Monday–Thursday)
- **Session III:** July 23–26; 9:00 a.m.–3:00 p.m. (Monday–Thursday)
- **Session IV:** July 30–August 2; 9:00 a.m.–3:00 p.m. (Monday–Thursday)

**Course Fee:** $495

**Digital Photography & Editing**

In partnership with LSU College of Art & Design

Want to better understand photography? Express yourself using digital cameras to explore principles of image making, composition, color theory, color management, lighting, and image processing with Adobe Photoshop. Learn tips and tricks for various types of photography, including portraiture, landscape, and tabletop photography. Complete the week by putting together a portfolio of your work that you can share with others.

**Special Instructions:** Bring a digital camera

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**LSU Robotics Summer Camp**

In partnership with LSU Department of Mechanical & Industrial Engineering

Do you think you might want to pursue a professional career in a STEM field like engineering or computer programming? Robotics combines elements of mechanical engineering, electrical engineering, and computer science. Explore the basic principles behind the fascinating and growing world of robotics while giving you a sneak peak into life as an engineer at LSU. Discover the essential components of robotic systems and how they come together to produce a functioning robot. Learn through hands-on activities as you interact with LSU faculty and students.

- **Course Fee:** $495

**College Major & Career Boot Camp**

In partnership with LSU College of Art & Design

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.

- **Course Fee:** $495

**Digital Art & Design**

In partnership with LSU Department of Art & Design

Want to design a poster, and receive guidance on a self-selected personal project? Do you find yourself with a designer’s eye and a creative itch? Digital Art & Design is for you! This weeklong camp, learn basic techniques for creating and animating CGI (computer-generated imagery) models. Learn about the history of animation and where 3-D computer animation is today, and cover topics like creating materials and textures for computer models, as well as how to light them. Practice some entry-level techniques so that by the end of the week you will be able to create some simple CGI animations on your own! At the end of this week, you’ll be well prepared to move on using CGI models in game design.

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**Mechanical & Industrial Engineering**

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- **Session IV:** July 30–August 2; 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 College of Art & Design

This weeklong camp, learn basic techniques for creating and animating CGI (computer-generated imagery) models. Learn about the history of animation and where 3-D computer animation is today, and cover topics like creating materials and textures for computer models, as well as how to light them. Practice some entry-level techniques so that by the end of the week you will be able to create some simple CGI animations on your own! At the end of this week, you’ll be well prepared to move on to using CGI models in game design.

- **June 11–15; 9:00 a.m.–4:00 p.m., Monday–Friday

**Course Fee:** $495

**College Major & Career Boot Camp**

- **Designed for students entering 10th, 11th & 12th grade 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 sophomore, junior, or senior, or a 2018 graduate who wants to make excellent decisions about college majors to prepare for meaningful and enjoyable careers, consider joining us. 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 connect your career goals to relevant 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 25-29; 9:00 a.m.–4:00 p.m., Monday–Friday

**Course Fee:** $385

**Digital Photography & Editing**

In partnership with LSU College of Art & Design

Want to better understand photography? Express yourself using digital cameras to explore principles of image making, composition, color theory, color management, lighting, and image processing with Adobe Photoshop. Learn tips and tricks for various types of photography, including portrait, landscape, and tabletop photography. Complete the week by putting together a portfolio of your work that you can share with others!

**Special Instructions:** Bring a digital camera

- **June 18-22; 9:00 a.m.–4:00 p.m., Monday–Friday

**Course Fee:** $495

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In partnership with LSU Department of Mechanical & Industrial Engineering

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**Course Fee:** $495

**NEW!**

**Darkroom Photography**

In partnership with LSU College of Art & Design

Step back in time and learn to use classic film-based photography processes in a traditional darkroom. Learn analog processes in a hands-on setting. Explore the history of photography to understand how photography began, how it changed, and where it is today. Build your own pinhole camera to keep, make paper negatives, learn how to make photograms, shoot with a manual film camera, develop your own film, and make silver gelatin prints. Complete the week with a group exhibition in Gallery 229 on campus!

**Special Instructions:** If you have your own manual film camera, bring that— if not, cameras are provided.

- **July 9–13; 9 a.m.–4:00 p.m., Monday–Friday

**Course Fee:** $495

**Digital Art & Design**

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

Do you find yourself with a designer’s eye and a creative itch? Scratch it by attaining a number of technical skills needed to thrive in today’s digital arena. A foray into Adobe Photoshop and Illustrator can expand your horizons and accelerate your progress. Digital photography, vector artwork, and typography are utilized across multiple platforms. Create your own brand, design a poster, and receive guidance on a self-selected personal project to start your portfolio. Top it all off with a primer on motion design a poster, and receive guidance on a self-selected personal project to start your portfolio. Top it all off with a primer on motion design for beginners!

**Course Fee:** $495

For more information and to register: outreach.lsu.edu/precollege or call 225-578-2500
A Beginner’s Guide to Using Unity for Video Games
In partnership with LSU Digital Media Arts & Engineering and LSU College of Art & Design
Learn the basics of Unity, one of the leading video game engines, and a great tool to learn the basic building blocks to create your first video game. Design simple game mechanics, create and apply materials to game objects, and learn to light a game level. Prior CGI experience is not required, but you can enhance your understanding of the CGI objects used in games by also signing up for “CGI Modeling & Animation for Beginners.”
July 16–20; 9:00 a.m.–4:00 p.m., Monday–Friday
Course Fee: $495

Film Production & VFX
In partnership with LSU Digital Media Arts & Engineering and LSU College of Art & Design
Does the world of film and animation seem daunting? Start your journey to mastery of the skills you need to succeed today! With a team of your peers and some intensive instruction, learn how to give life to your creative visions both in front of and behind the lens. A week of hands-on camera work and technical guidance in industry-standard software will show you how to write, produce, and edit your own debut. Gain control of your footage with Adobe Premiere Pro and study the basics of taking it to the next level with Adobe After Effects.
July 23–27; 9:00 a.m.–4:00 p.m., Monday–Friday
Course Fee: $495

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, so you can 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, motivation, and procrastination-busting tips. Additionally, explore test preparation, test taking, and stress reduction strategies to help you improve your exam performance.
July 23–27, 12:30 p.m.–4:30 p.m., Monday–Friday
Course Fee: $215

RESIDENTIAL CAMPS
Designed for students entering grades 10–12

LSU Architecture Camp
In partnership with LSU School of Architecture
Do you think you might want to be an architect? This one-week residential camp is an exciting chance for you 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 10–15, Sunday–Friday
Course Fee: $825 ($775 by April 20)
(includes full program, housing and meals)

Register by April 20 & SAVE
$50 OFF FULL DAY

Great teacher, amazingly taught, and would recommend to anyone struggling with studying.

Academic Success Strategies Student

The camp was perfect for me and helped me realize what I wanted to do in the future!

Architecture Camp Student

NEW!

Register by April 20 & SAVE
$50 OFF FULL DAY
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June 10–15, Sunday–Friday
Course Fee: $825 ($775 by April 20)
(includes full program, housing and meals)
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

*T exact schedule is subject to change

LeaderShip U Residential Program

Prepare for success in college and beyond! During a one-week residential camp on the LSU campus, get inspired as you 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!

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.

Session I: June 24–29 Sunday–Friday
Session II: July 15–20; Sunday–Friday
Course Fee: $925 ($875 by April 20)
(includes full program, housing and meals)

TIGER CHALLENGE

Tiger Challenge is a unique academic summer program that engages the interest and imagination of students entering Pre-K through 8th grade. Exemplary teachers integrate math, reading, writing, science, and social studies around stimulating themes designed for each grade level. Critical thinking, problem-solving, and leadership skills are emphasized in a community of motivated students. Experience a series of programs that capture interest and create engaging hands-on projects that result in valuable preparation for the upcoming school year.

Early Morning Welcome

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

TIGER CHALLENGE: 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. They will participate in bi-weekly science experiments, on-campus field trips, and hands-on activities as they learn fun strategies for reading, writing, and math. We offer this program in June with a focus on community helpers and in July with different activities and a focus on animal themes to keep the experience exciting for students who want to enroll in both sessions.

PLEASE NOTE: Students must turn 5 years of age before September 30, 2018. We welcome students 6 years of age who are entering or repeating the kindergarten year.

Session I: June 11–22
Session II: July 9–20
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

For more information and to register: outreach.lsu.edu/precollege or call 225-578-2500

The instructors, campers and counselors were very friendly, and the lessons were interesting and insightful.

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

*Exact schedule is subject to change*

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**LeaderShip U Residential Program**

Prepare for success in college and beyond! During a one-week residential camp on the LSU campus, get inspired as you 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!

**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.

**Session I:** June 24–29 Sunday–Friday
**Session II:** July 15–20; Sunday–Friday
**Course Fee:** $925 ($875 by April 20)
   (includes full program, housing and meals)

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**TIGER CHALLENGE:**

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**Early Morning Welcome**

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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. They will participate in bi-weekly science experiments, on-campus field trips, and hands-on activities as they learn fun strategies for reading, writing, and math. We offer this program in June with a focus on community helpers and in July with different activities and a focus on animal themes to keep the experience exciting for students who want to enroll in both sessions.

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**Full Day:** 8:00 a.m.–4:30 p.m.
**Course Fee:** $595 (for two weeks)
**Location:** LSU Lab School

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*My child loved this camp.*

*He couldn’t wait to tell me about his day. Thank You!*
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 18–22
Dive into the movies, Tiger Challenge style! Each day we focus on one of our favorite movies and incorporate math, science, language arts, cooking, art, music, and more! Make a troll-scribble-bot race down ramps with the characters from Cars; and cook gumbas with Tiara and her Louisiana friends. Join us as we dig deep into numbers with the math Mix-ins from Despicable Me and make an ocean in a bottle with Nemo and friends. Don’t miss this the chance to see it all!

Pets & Vets
June 4–8
Calling all genius! Spend a week with us and perform extreme experiments while learning the scientific process. Erupt a volcano, make your own slime, and watch in awe as chemicals react! Learn about careers in science and the contributions scientists make to society. Field trips, speakers, and science labs, oh my!

Creepy Crawler
June 25–29
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!

Spinning in Space
July 9–13
Prepare to soar and learn fun facts about the sun, stars, clouds, planets, and the moon! Hands-on science activities are integrated with music, poetry, and art. Create an edible version of the moon phases, a solar system necklace, and compile an “I Spy in the Sky” aeronautical journal with your research and discoveries!

Tiger Challenge Bus & Us
July 16–20
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, build a circuit, create constellations for your own planetarium, and construct a small hovercraft! 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 Campout
July 16–20
This was the most fun and the most learning my child has done in a summer camp!
1st-2nd Grade Parent

Register by April 20 & SAVE $50 OFF FULL DAY

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.

Mad Scientists
June 4–8
Calling all genius! Spend a week with us and perform extreme experiments while learning the scientific process. Erupt a volcano, make your own slime, and watch in awe as chemicals react! Learn about careers in science and the contributions scientists make to society. Field trips, speakers, and science labs, oh my!

Every “Body” Loves Science
June 18–22
Join us for a mind-boggling adventure as you 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 systems. Jump into fun exercises to strengthen your muscles and plan recipes to give your body the energy it needs. A week you won’t forget, loaded with guest speakers, hands-on projects, and field trips!

A Walk on the Wild Side
June 25–29
Are you ready to take a walk through the wild and exciting world of animals? Swim with fish and fly with birds! Spend the entire week identifying and classifying animals and their corresponding habitats. Examine underwater wildlife through the use of a microscope, and discover why birds can fly, swim, and stay warm all winter long! Dig through the desert using grid coordinates, excavate fossils, and engage in hands-on projects to describe traits and characteristics of animals A through Z.

1st–2nd Grade Parent

Register by April 20 & SAVE $50 OFF FULL DAY
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.
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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!

Solids, Liquids & Gases, Oh My!
June 4–8
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 get a taste of fun mixtures at the smoothie shop!

Tiger Challenge Bus & Us
July 16–20
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, build a circuit, construct habitats for your own planetarium, and construct a small hovercraft. 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!

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Tiger Challenge Campout
July 9–13
Attention all outdoor adventurers! 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 cookouts 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!

Pets & Vets
June 11–15
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 plan recipes to give your body the energy it needs. A week into the creative parts of your brain as you create models of your lifestyle. Use your five senses to perform investigations and tap into the creative parts of your brain as you create models of your body systems. Jump into fun exercises to strengthen your muscles and plan recipes to give your body the energy it needs. A week you won’t forget, loaded with guest speakers, hands-on projects, and field trips!

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Register by April 20 & SAVE $50 OFF FULL DAY

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.

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June 25–29
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Solids, Liquids & Gases, Oh My!
June 4–8
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 get a taste of fun mixtures at the smoothie shop!

Have No Fear, I’m an Engineer
July 16–19
So you want to be an engineer? Take your first step in this STEM (Science, Technology, Engineering, Math) course: design fun prototypes, test their effectiveness, and then 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 that will open your eyes to the world of engineering!

ABC Your Way to the Movies
June 18–22
Dive into the movies, Tiger Challenge style! Each day we focus on one of our favorite movies and incorporate math, science, language arts, cooking, art, music, and more! Make a troll-scribble-bot; race down ramps with the characters from Cars; and cook gumbo with Tiara and her Louisiana friends! Join us as we dig deep into numbers with the math Minions from Despicable Me and make an ocean in a bottle with Nemo and friends. Don’t miss this the chance to see it all!

Tiger Challenge Bus & Us
July 16–19
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, build a circuit, prototypes, test their effectiveness, and then 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 that will open your eyes to the world of engineering!

Weather Wonderland
July 9–13
Can it really rain cats and dogs? Or beetles and frogs? Where do tornadoes and blizzards come from, and why? Learn about the weather system through experiences with extreme weather patterns and conditions, describe the water cycle through illustrations, song and dance, and even create your own hurricane, tornado, and blizzard!

Every “Body” Loves Science
June 18–22
Join us for a mind-boggling adventure as you 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 systems. Jump into fun exercises to strengthen your muscles and plan recipes to give your body the energy it needs. A week you won’t forget, loaded with guest speakers, hands-on projects, and field trips!
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

Guinness World Records: Can You Break It?
June 11–15

New records to be broken! Do you have what it takes to be a Guinness world record holder? Find out as you explore some of the world’s longest, shortest, fastest, and tallest. Spend the week incorporating math, writing, and research into understanding some of the world’s strangest facts. Challenge yourself to break various records as we create our own competitions to experiment with records never tried before! Come join in for a record-breaking good time!

Super Software Mania
June 11–15

You asked for it and we created it! Gain a basic understanding of how to use the Windows operating system and navigate Microsoft PowerPoint, Excel, and Publisher. Learn the tools for success! Use PowerPoint to design a snazzy book report and super science presentations. Tackle Excel spreadsheets to create tables, graphs, and charts. And use Publisher for newsletters, greeting cards, or invitations. The perfect course to prepare you for the future! Save all of your work on a personal flash drive to take home!

The Human Body: Head to Toe
June 18–22

When you eat a banana, how exactly does it reach your brain? What do an eggshell and a chicken bone have to do with you? 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!

LEGO Tiger Challenge
June 18–22

It’s all things LEGO! Build, code, and create virtual and hands-on projects as you perfect your architectural design, constructive building, and collaborative teamwork skills. Complete challenges, and use Legos in the areas of art, comics, and animations!

The Thrill of Physics
June 25–29

Scream machines! Hang onto your hat and explore the wild world of thrill rides! Tap into your imagination to create crafty construction projects using simple and complex machines. Build a bridge out of Popsicle sticks, create a cotton ball catapult, and even participate in a not-so-arbitrary egg drop contest. Race your balloon-powered rocket car while calculating distance and time, and learn about force and motion as you build your own amusement park ride!

Math Wizards
July 9–13

Tackle math and have fun doing it! Hands-on activities sharpen mathematical wits, and deepen critical-thinking, problem-solving, and logical-reasoning skills. From measurement and data to numbers and operations, each day focuses on a different mathematical skill. Put your new skills to the test as you tour around the LSU campus to identify angles of the bell tower, plan a budget for the LSU Bookstore, measure a football field, and tackle our geometry scavenger hunt! On field trips, learn to work as a team and test your individual skills!

Tiger Time Travelers
July 9–13

Are you ready to travel back and forth in time? Join us when we jump into the world of dinosaurs; create your own mummy with the Egyptians, and make artifacts like Louisiana’s Native Americans. Become a knight or damsel from medieval times as you search for lost treasure, and end your week skyrockeeting 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!

ABC’s of Survival Skills
July 11–15

Discover the value of personal safety as 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, make drinkable water, design a map, and experiment with solar cooking. Use art to express yourself with activities such as creating a survival bracelet, and act out first-aid scenarios. Finish your week with the Tiger Challenge Adventure Challenge and earn your stripes!

For more information and to register: outreach.lsu.edu/precollege or call 225-578-2500
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.

Water Explorers
June 4–8
From the Gulf of Mexico to Lake Bistineau, get hooked as you explore the local waterways of Louisiana. Dive in and learn about critters and creatures that live in our lakes, rivers, and coastal wetlands. Discover causes of pollution in air, land, and water, and how to become a good steward for our environment. 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 11–15
New records to be broken! Do you have what it takes to be a Guinness world record holder? Find out as you explore some of the world’s longest, shortest, fastest, and tallest. Spend the week incorporating math, writing, and research into understanding some of the world’s strangest facts. Challenge yourself to break various records as we create our own competitions to experiment with records never tried before! Come join in for a record-breaking good time!

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The Thrill of Physics
June 25–29
Scream machines! Hang onto your hat and explore the wild world of thrill rides! Tap into your imagination to create crafty construction projects using simple and complex machines. Build a bridge out of Popsicle sticks, create a cotton ball catapult, and even participate in a not-so-ordinary egg drop contest. Race your balloon-powered rocket car while calculating distance and time, and learn about force and motion as you build your own amusement park ride!

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June 25–29
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TIGER CHALLENGE: 5th/6th Grade
Designed for students entering 5th & 6th grade

One-Week Sessions, Monday – Friday
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 4–8
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 Google Chrome and its many extensions efficiently. Let's prepare to reach higher-level computer and information science concepts together!

Tiger Challenge Amazing Race
June 11–15
Let the games begin! You and your team are challenged to solve physical and mental tasks and complete the Amazing Race. Put your mind to the test, learn new skills, and value the importance of working together as you solve clues and reach objectives about countries and locations around the world! Each day presents challenges, hands-on projects, science experiments, and field trips. See you at the finish line!

Scientific Masterpieces
June 18–22
Explore the mysteries of art as you learn how artists use science to create their masterpieces! Learn how principles such as chemical reactions, evaporation, and polymers are critical to a successful artist. Create a virtual picture with mirrors, make a self-portrait, and test the theory of optical illusions. Use polar/non-polar properties of matter to make crystal pictures, bubble art, and art sculptures. Test your knowledge of light to develop your own solar art, and use a salt texture technique to create a starry night and sunny day painting. From the mysteries of sand art to Shrinky Dinks and fresco paintings, this amazing science course blends perfectly with your artistic mind!

Cracking the Cosmos
June 18–22
Calling all rocket scientists: your expertise and enthusiasm are requested at our Earth-based rocket and space camp! Design, build, and launch model rockets while exploring Newtonian physics and rocket designs. Follow in the footsteps of astronauts as you perform hands-on experiments, and learn about living and working in space. Travel to on-campus field trips, and visit science/technology areas that have potential space science applications. Lab coats are optional and safety gear is provided!

STEAM Explorers!
June 25–29
The "Maker Movement" has arrived! Join us as we encourage a DIY (Do It Yourself) space where you can invent and learn concepts that connect you 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!

Lights! Camera! Action!
July 9–13
It's time to show off your acting, storyboarding, musical composing, and photographing skills! Capture images and scenes with digital cameras and video cameras, and bring your work alive using Garage Band, Movie, and various iPad apps. Integrate photos and clips filmed while traveling around our city and campus, meet with leaders in the field, and learn how to edit and create your own movie.

Mythbusters: Don’t Try This at Home!
July 16–20
Have you ever wondered if what you hear is true? Let's find out! Experience a week of fun-filled, hands-on science as we investigate popular misconceptions the MythBusters’ way. Fact or fiction? You decide by creating experiments to put legends to the test. Does a baseball really have a “sweet spot”? Can helium balloons really carry a person? Dispel common myths through experiments and field trips, and get expert information from professionals in the field. Come ready to bend your mind and bust some myths!

Register by April 20 & SAVE $50 OFF FULL DAY

For more information and to register: outreach.lsu.edu/precollege or call 225-578-2500
TIGER CHALLENGE: 5th/6th Grade
Designed for students entering 5th & 6th grade

One-Week Sessions, Monday – Friday
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 4–8
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 Internet; discover how to navigate Google Earth and maps; and use Google Chrome and its many extensions efficiently. Let's prepare to reach higher-level computer and information science concepts together!

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Tiger Challenge Amazing Race
June 11–15
Let the games begin! You and your team are challenged to solve physical and mental tasks and complete the Amazing Race. Put your mind to the test, learn new skills, and value the importance of working together as you solve clues and reach objectives about countries and locations around the world! Each day presents challenges, hands-on projects, science experiments, and field trips. See you at the finish line!

Scientific Masterpieces
June 18–22
Explore the mysteries of art as you learn how artists use science to create their masterpieces! Learn how principles such as chemical reactions, evaporation, and polymers are critical to a successful artist. Create a virtual picture with mirrors, make a self-portrait, and test the theory of optical illusions. Use polar/non-polar properties of matter to make crystal pictures, bubble art, and art sculptures. Test your knowledge of light to develop your own solar art, and use a salt texture technique to create a starry night and sunny day painting. From the mysteries of sand art to Shrinky Dinks and fresco paintings, this amazing science course blends perfectly with your artistic mind!

Cracking the Cosmos
June 18–22
Calling all rocket scientists: your expertise and enthusiasm are requested at our Earth-based rocket and space camp! Design, build, and launch model rockets while exploring Newtonian physics and rocket designs. Follow in the footsteps of astronauts as you perform hands-on experiments, and learn about living and working in space. Travel to on-campus field trips, and visit science/technology areas that have potential space science applications. Lab coats are optional and safety gear is provided!

STEAM Explorers!
June 25–29
The "Maker Movement" has arrived! Join us as we encourage a DIY (Do It Yourself) space where you can invent and learn concepts that connect you 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!

Lights! Camera! Action!
July 9–13
It's time to show off your acting, storyboarding, musical composing, and photographing skills! Capture images and scenes with digital cameras and video cameras, and bring your work alive using Garage Band, Movie, and various iPad apps. Integrate photos and clips filmed while traveling around our city and campus, meet with leaders in the field, and learn how to edit and create your own movie.

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One of the best courses
I've taken.
Safe, fun and interesting.
Excellent instructors!

5th–6th Grade Student
5th–6th Grade Parent
TIGER CHALLENGE: 7th/8th Grade
Designed for students entering 7th & 8th 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.

Career Discovery at LSU
June 4–8
Explore your future with this one-of-a-kind course! Investigate current and emerging career fields, visit LSU departments on and off campus, speak with leaders in fields of the future, and participate in guided hands-on experiments. With projects, behind-the-scenes field trips, and team exercises, you can prepare for the transition to high school. Join us this week, and showcase your strengths!

STEAM-4-Girls
June 18–22
This is an exciting time for women and science! Explore STEAM careers (Science, Technology, Engineering, Art, and Math) and learn about the importance of historic female figures that came before you and the rising professionals around you. Explore urban ecology, chemistry, DNA, soil science, and the physics of a Barbie bungee. Leave your comfort zone and discover hidden talents as you are challenged to try something new each day: sample foods, perform dances, create designs, even climb a rock wall! Build confidence, work as a team, and lead us into the next generation of strong scientists!

DNA & Biotechnology
June 18–22
Enter the world of the fastest growing field in science! Unleash the excitement of DNA science and expand your knowledge of basic genetics, cell biology, and biotechnology. As you immerse yourself in hands-on activities and laboratory experiments, discuss genetic breeding and disorders; build DNA molecules with KINEX, participate in a DNA extraction lab, and explore how DNA is used in forensic science investigations!

Computer Animation for Beginners
June 25–29
In partnership with LSU Digital Media Arts & Engineering and LSU College of Art & Design
Computer animation is everywhere: we see it on television, in movies, video games, and online. Have you ever wanted to find out how it works so you can do it yourself? Start here with the brightest minds in the industry with experience in films such as Star Wars, Harry Potter, and Pirates of the Caribbean to name a few. Learn how CGI (computer-generated imagery) works and how to use basic tools to begin creating your own!

Pre-Medicine: Anatomy
July 9–13
Attention all potential pre-med, pre-dental, and others interested in health care! This is the perfect opportunity to learn how the human body works and to explore the levels of biological organization. Study the intricacies of the immune, skeletal, muscular, nervous, and cardiovascular systems! Dive into the body at a variety of levels from cells to organ systems; engage in hands-on projects, lab activities, and field trips, and learn from guest speakers. Finally, let’s see if you have the steady hands to dissect a fetal pig or adult rat!

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**TIGER CHALLENGE: 7th/8th Grade**

**Designed for students entering 7th & 8th grade**

**One-Week Sessions, Monday – Friday**

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- **Course Fee:** $350
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**Architecture Meets Filmmaking**

June 11–15

Explore the intersection of environmental issues and documentary filmmaking! This cutting-edge course brings together architecture and filmmaking when you explore water issues with local and international relevance. Teachers from Ripple Effect, a water-literacy organization in New Orleans, lead the way with exciting field trips and hands-on design activities. Draw and build architectural models; use your phone to make short, authentic films; and meet with professional urban designers, planners, filmmakers, and scientists to learn about coastal and urban water management. Use filmmaking to frame your observations, ask questions, and explore new ideas. Bring your design talents and scientific curiosity together!

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**Tiger-Tech Survivalist**

July 16–20

In this cutting-edge technology course, use iPads and computers to earn digital badges throughout the week. Move at your own pace as you complete project challenges using a variety of apps and software programs that interest you. Create a blog, produce a podcast, or even a movie! If you like music, jump into the challenges that feature audio and digital animations. Use infographics to display information with creativity. A unique opportunity for you to reach a higher level of tech expertise—so join us this week and earn as many badges as you can!

For more information and to register: outreach.lsu.edu/precollege or call 225-578-2500
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.

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.
• If a cancellation is received less than 10 business days prior to the course start date, a 90% refund (less the processing fee) is granted.
• For residential camps, if a cancellation is received less than 10 business days prior to the course start date, a 50% refund (less the processing fee) is granted.
• 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.

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
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/precollege

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 are responsible for their own lunch and may either bring lunch or purchase lunch from the LSU Student Union. 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 April 20 & SAVE $50 OFF FULL DAY
SUMMER CAMP US AT LSU

TIGER CHALLENGE • K – 8th GRADE
TIGER U • 9th – 12th GRADE

REGISTER BY APRIL 20 & SAVE!
$50 OFF FULL DAY
(Includes Residential Camps)

Sign Up Today!
outreach.lsu.edu/precollege
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precollege@outreach.lsu.edu