

ENRICHMENT PROGRAMS FOR GIFTED, CREATIVE, AND TALENTED YOUTH

Summer Camps

2018

*Programs for students who have
just completed grades 5-12*



PURDUE
COLLEGE OF EDUCATION



HONORS COLLEGE AND RESIDENCES



IN ASSOCIATION WITH
**PURDUE
HONORS
COLLEGE**

www.purdue.edu/geri

About

the Gifted Education Resource Institute

The Gifted Education Resource Institute (GERI) at Purdue University is an innovative center dedicated to the discovery, study, and development of human potential. Founded by John Feldhusen in 1977, GERI's mission is holistic development of giftedness, creativity, and talents among individuals throughout their lifespan. This is accomplished through enrichment programs for gifted, creative, and talented youth; graduate programs for future scholars and leaders; professional development and coursework for educators of gifted, creative, and talented students; and cutting-edge research in psychology and education related to giftedness, creativity, and talent development. GERI's work encompasses:

- **Researching gifted education and the psychology of talent development.**
- **Educating professionals from around the world to promote the development of gifted, creative, and talented individuals.**
- **Providing services and special programs for gifted and talented individuals and their families.**



What makes

GERI

Summer Camps so great?

GERI has been serving gifted, creative, and talented students since 1974. Every summer students like you come to Purdue University and experience programs designed to stimulate their imaginations and expand their abilities. We also offer a variety of recreational activities and a chance for you to get a taste of college life as you live on campus in Purdue's residence halls.

Here's what you'll experience at GERI Summer Camp:

Intellectual Challenge - GERI classes are small, challenging, fast-paced, and interactive.

Talented and Caring Staff - Our teachers thrive on sharing their knowledge and experience with students.

Outstanding Facilities - Purdue is a world-class research university, and GERI students have the use of state-of-the-art laboratories, computing facilities, and a variety of libraries.

Friendships - GERI attracts a diverse group of gifted, talented, and creative people from all over the world! You will find friends who share your interests and love of learning.

Independence - With supervision, guidance, and support from the GERI staff to help you adapt and thrive, you will live in residence halls, learn in university classrooms and labs, and take advantage of Purdue's cultural and recreational facilities, just like college students.

Fun - GERI camp counselors make time outside of class exciting through activities like a night at the movies, basketball, bowling, scavenger hunts, games and tournaments, trivia, and field trips.

Contact Information:

geri@purdue.edu



(765) 494-7243



www.purdue.edu/geri



Purdue Gifted Education Resource Institute



@PurdueGERI



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GERI STAFF

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Professor Kristen Seward, Associate Director
Corinne Green and Ophélie Desmet, Program Coordinators
Andrés Parra and Alissa Salazar, Residential Life Coordinators

"I loved meeting new people, understanding new cultures, learning new things, and definitely being able to attend Purdue University for two weeks."



COMET

July 1-7 and July 8-14

For students who have completed grade 5 or 6

Comet students may commute daily or stay in the residence hall.

COST PER ONE-WEEK SESSION:

Commuter - \$900, Residential - \$1200

See the FINANCIAL INFORMATION section on page 15 for multiple session, sibling, and Purdue employee discounts.

NEW! Register by April 1st and receive a \$100 discount!

Please select a class for the session you would like to attend.



course descriptions

COMET I: July 1-7



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CSI Investigation

Explore the skills used by criminal investigators to solve crimes through hands-on activities like finger printing, DNA, "blood splatter", and handwriting analysis. Build a set of skills that will enable you to use critical thinking and problem solving to investigate crimes and determine the appropriate methods needed to crack the case.

Electromagnetic Claw Game: Diggin' for Fools' Gold

Claw games are rigged! Claw games found at arcades or shopping malls are often rigged so that players are very unlikely to win. Galactic Games Inc. needs you to help redesign the game to make it easier to win, but still challenging and fun! Use engineering problem solving with physics, magnet science, and geometry to build a better claw game!

The Art of Storytelling: From Imagination to Publication

Ignite your creativity and imagination to develop an original story. Learn literary concepts, design cover art, and work with your fellow editors to compile a class literary magazine. Invent characters, shape plot events, and develop a setting where your fictional elements will flourish. Create a print version of your class stories to share with family and friends!

Robotec: Bytes and 'Bots

Robots. Coding. Problem Solving. Art. Games. Challenges. Welcome to the world of hands-on robotics! We will use block coding as an introduction to robotics with basic to advanced coding concepts such as nested loops, conditionals, functions, and variables. Challenge yourself with programming experiments and engage in exciting and fun robot competitions. Use your new robotic programming skills to create a collaborative art piece. Full STEAM ahead!

Your Future in Bioengineering

Use your creative powers and grow in your problem solving skills, all while learning biology! You will learn what it is like to be an engineer as you work in teams in order to solve biological challenges such as unblocking a clogged blood vessel.



course descriptions

COMET II: July 8-14



Circuitry Art

Integrate art and electronics to create imaginative works of interactive art! Code with LED lights and construct a variety of circuits to design and produce simple and complex illuminated paper formations combined with individual artistic expression.

Community Problem Solvers: Teamwork in Action!

Ready to redesign, reimagine, and repair the world around you? Discover and develop new solutions for community issues with an emphasis on serving those in need. Improve your problem solving skills through collaborative projects. Use teamwork, communication, and computers to propose real world remedies that improve your community!

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World of Spies: Keeping Secrets

Explore the field of spying! From U.S. government agencies to corporate espionage and data collection on everyday people. Learn about code-making and breaking, encryption, logical thinking and more as you uncover the secrets of high-profile crimes using your own detection skills.

Your Future in Bioengineering

Use your creative powers and grow in your problem solving skills, all while learning biology! You will learn what it is like to be an engineer as you work in teams in order to solve biological challenges such as unblocking a clogged blood vessel.



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STAR

July 1-14 and July 15-28

For students who have *completed* grade 7 or 8

COST PER TWO-WEEK SESSION:

Residential - \$2400

See the Financial Information section on page 15 for sibling and Purdue employee discounts.

NEW! Register by April 1st and receive a \$100 discount!

Please select one morning class and one afternoon class for the two-week session(s) you would like to attend.



course descriptions

STAR I AM: July 1-14



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European Game of Thrones

Learn medieval European history, feudal economics, and diplomacy in this live-action game where you become royalty. Help your noble family survive and thrive during a time of plague, invasion, and political upheaval. Make alliances with and against your fellow nobles (classmates) to ensure your family's success. (Campers are not required to be familiar with the television show, Game of Thrones, to enroll in this course).

It's All Greek to Me!

Ancient Greek is the basis for the vocabulary of medicine and virtually every science. Have fun learning about Greek roots that will expand your English vocabulary for increasingly difficult subjects in science and math. Explore Greek mythology, history, and the Seven Wonders of the Ancient World. Be amazed when you are able to read short stories in Ancient Greek!

Serious Gaming in the Classroom

Use teamwork, problem-solving skills, and goal-based activities to problem solve and research the role(s) of various electronic games in the classroom. Explore the benefits of serious gaming and conduct research on its application to the classroom. Be creative as you present your research findings to your classmates.

STEAM Labs™

Students, engineers, artists, and hobbyists around the world now design and build Rube Goldberg-style machines to satisfy society's fascination with the creative contraptions. Apply the engineering design process to construct STEAM Machines (i.e., chain reaction machines that run on STEM and Art concepts) using everyday objects and technology such as motors, sensors, and micro-controllers. Gain experience with systems thinking and multi-team collaboration as you learn real-world engineering skills and start exploring pathways to better understand careers in engineering.

Vet Med

Calling future veterinarians, agriculture specialists, and biologists! Explore the complex world of animal anatomy through labs, lectures, activities, computer projects, guest speakers, ecosystem field work, field trips, and much more. Learn to respect and care our fellow Earth inhabitants while finding out what makes them tick!

Videography and Film Making

Would you like to make your own movie or documentary worthy of being on the silver screen? Operate digital cameras and other video equipment, conduct interviews, apply creative photographic techniques, and learn about lighting and sound support. Document your camp experience and explore videography and film making from every angle.

STAR I PM: July 1-14



Destination Space

Humans have been to the moon and back, but where next? Mars? Interplanetary space? Or will we return to the moon and establish a permanent base? Join us and learn about space exploration as you chart your own course for 21st-century missions to infinity and beyond!

Feeding Future Humans

In less than 25 years, the human race may double its demand for food! We need YOU as a true innovator in sustainable food production. Learn about current trends in food production and technologies, calculate water quality and nutrient flow, visit a real horticulture and aquaculture laboratory, and apply your newfound skills to design a sustainable method of supporting food both inside and outside Earth's atmosphere!

Harry Potter in Society: The Magic of Creativity

Critically explore J.K. Rowling's world of Harry Potter through book discussions and activities. Legitimize the genre of fantasy by exploring real-world topics, themes, and issues brought about by this series. Determine what makes the series so compelling to generations of readers, making it the best-selling book series of all time.

Lights, Curtain, Action!

Attending live theatre productions can be magical. Yet, before a show is audience-ready, much preparation is poured into bringing the script from the page to the stage. Join our cast and experience theatrical directing as we explore the creativity and organization involved in putting on a show.

Toy Design in Mechanical Engineering

Ever wonder how "funology" (fun and play value) and basic physics are combined in toy design? Discover how simple toys work and, with a toy design team of fellow students, engage your imaginations as you create sketches of potential toys and engage in engineering competitions. Learn how to use computer-aided design tools to create one of your toys using laser cutting and 3D printing. Showcase your new funology knowledge and design skills as your group demonstrates your toy in our 4th Annual GERI Toy Fair!

Wizards, Aliens, and Starships

From teleportation to alien contact and interstellar travel, science fiction and fantasy writers have come up with some brilliant and innovative ideas. Yet how plausible are these ideas? Can Superman's ability to fly be explained? Explore physics concepts that make some elements of science fiction plausible or impossible.

course descriptions

STAR II AM: July 15-28



STAR II PM: July 15-28



Blast off! An Exploration into Astronomy

Come and explore science, engineering, and space with us. Learn about planet mapping, aliens(?), the solar system, spacecraft designing, and more. You will develop many skills including experimentation and data collection while completing a variety of hands-on activities that take a closer look at the science behind space and space exploration.

Famous Flying Females – Pioneers, Daredevils, and Heroines

From French ladies in petticoats and bonnets braving frostbite and fatigue in 19th-century balloons to daring women of the 1920s in a death-defying air race across America. Join us to learn the incredible untold stories of aviation's female pioneers, from the Roaring Twenties to the Space Age. Meet and interact with female pilots, see the personal belongings of Amelia Earhart, and create your own multimedia project exploring females in flight!

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Videography and Film Making

Would you like to make your own movie or documentary worthy of being on the silver screen? Operate digital cameras and other video equipment, conduct interviews, apply creative photographic techniques, and learn about lighting and sound support. Document your camp experience and explore videography and film making from every angle.

Brain Blasting Biology

What is the meaning of life? What happened to the dinosaurs? How do species interact? Come explore major questions in biology, evolution, and genetics through activities like gel electrophoresis and DNA extraction in addition to studying living organisms and a real-life ecosystem at Purdue's Horticulture Park! Let's put our brains together to discover some BIG answers for biology, and maybe even some questions of our own.

Digital Journalism

Welcome to your humble guide to the rapidly changing universe of online news. The 21st-century newsroom requires an audience-centered mindset in which journalists must possess a broad set of multi-platform newsgathering skills and fluency in social media, while also upholding the timeless journalistic standards of news judgment, accuracy, fairness and truth.

STEAM Labs™

Students, engineers, artists, and hobbyists around the world now design and build Rube Goldberg-style machines to satisfy society's fascination with the creative contraptions. Apply the engineering design process to construct STEAM Machines (i.e., chain reaction machines that run on STEM and Art concepts) using everyday objects and technology such as motors, sensors, and micro-controllers. Gain experience with systems thinking and multi-team collaboration as you learn real-world engineering skills and start exploring pathways to better understand careers in engineering.

Sub Monte Irato: Under the Angry Mountain

Join us as we explore life in the shadow of Mt. Vesuvius in 78 CE, just before the volcano erupted and buried the city for almost two thousand years. Be introduced to the Latin language and the culture of the Roman Empire. Learn about Roman life through a Pompeian family living *sub monte irato*, under the angry mountain.

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World of Spies: Keeping Secrets

Explore the field of spying! From U.S. government agencies to corporate espionage and data collection on everyday people, learn about code-making and breaking, encryption, logical thinking and more as you uncover the secrets of high profile crimes using your own detection skills.



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PULSAR

July 1-14 and July 15-28

For students who have *completed* grade 9, 10, 11 or 12

COST PER TWO-WEEK SESSION:

Residential - \$2400

See the Financial Information section on page 15 for sibling and Purdue employee discounts.

NEW! Register by April 1st and receive a \$100 discount!

Please select one morning class and one afternoon class for the two-week session(s) you would like to attend.

course descriptions

PULSAR I AM: July 1-14

Biomedical Instrumentation

Have you wondered how a Fitbit works or how a hospital patient's monitor can detect a heart rate and other vital systems? Let's explore the medical terminology and designs that bring these instruments to life and develop them ourselves with hands-on, project-based learning. Learn instrumentation design from the designer's perspective!

Cyber Criminology

Hacking, insider threat, and cyber bullying are now major crimes. Learn to be a cyber-criminologist who profiles and locates cyber criminals with a variety of sociological, psychological, and criminological theories. Find out how laws are adapted, altered, and stretched to fit a new generation of crime. Come and find out why people commit cybercrime and how we can be the ones to stop them!

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Exploding Electronics: The Deconstruction of Sustainability

Explore hands-on deconstruction of current (and some future) sustainable technologies, with special attention to life after death of electronics. Think zombie cell phones! You will "explode" some innovative old electronics- the hard way- and reconstruct components in new ways for new purposes.

Leadership 101

Do you want to make a difference in your own community, become the CEO of a multi-national company, or hope to become the President of a country one day? If so, you are going to need a toolbox of essential skills all leaders must develop. Step up and discover the hidden leader inside of you!

Videography and Film Making

Would you like to make your own movie or documentary worthy of being on the silver screen? Operate digital cameras and other video equipment, conduct interviews, apply creative photographic techniques, and learn about lighting and sound support. Document your camp experience and explore videography and film making from every angle.



PULSAR I PM: July 1-14

Bloody Bits of Shakespeare

Learn the basics of acting and improve your language skills by performing battle scenes from the works of William Shakespeare. Learn to read a script like an actor, memorize for delivery, move on a stage, and speak with confidence in front of others.

Career Calibration Laboratory (Pulsar+ Part II)

Careers? Jobs? Adulting? It's just a few years away! Join GERI's Career Calibration Laboratory to navigate the sometimes confusing and challenging world of your future. Dive into a reflection of your personality, interests, work preferences, skills, and background to chart a course for success through high school, college, and beyond. Led by a certified school counselor, connect your gifts and talents to a clearer path for wherever your potential may take you! (See Pulsar+ information on Page 10)

Experiments in Fluids

How are hurricanes created on Earth? Do they form in the same way on Mars? What do we know about other types of fluids, like oceans, blood, Jupiter's giant red spot, or supersonic fluid dynamics? Join us as we explore different types of fluids phenomena and the math behind it all using wind-tunnel experiments and table-top demonstrations.

The Rise of the Internet of Things

In our interconnected world, devices we used to consider standalone become more "intelligent": phones, refrigerators, cars, and more can trade data to improve our lives. You will explore this emerging "Internet of Things" (IoT) and the ramifications of personal data collection while using sensors, programming, and creativity to build your own cyber-physical system!

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Understanding Diplomacy through Game Theory

Learn and use theories such as Nations as Actor, Resource Wars, and Hard Power vs. Soft Power to understand why and how nations make decisions on foreign policy. Apply these principles while playing a version of the classic board game RISK.

What's Shaking? Engineering Buildings for Earthquakes

Why during earthquakes do some buildings fail while others survive? Discover principles of vibration, characteristics of earthquake motion, and response of buildings to dynamic loads. Using in-class demonstrations, hands-on experiments, and a tour of a large-scale civil engineering research facility, we will learn how buildings are designed to safely respond to a whole lot of shaking.

course descriptions

PULSAR II AM: July 15-28

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PULSAR II PM: July 15-28

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Design of Smart & Connected Toys in Mechanical Engineering

Build upon your knowledge of electronics, programming, and design to create an interconnected toy network using a mixture of everyday materials (cardboard, plastic bottles, aluminum cans, etc.), circuits, and much more. Together we will explore the Internet of Things (IoT)—the ever-growing network of physical objects that use an IP address for internet connectivity. The communication that occurs between these objects and other Internet-enabled devices will make the toys you've designed come to life and work together to complete an innovative objective.

Experiments in Fluids

How are hurricanes created on Earth? Do they form in the same way on Mars? What do we know about other types of fluids, like oceans, blood, Jupiter's giant red spot, or supersonic fluid dynamics? Join us as we explore different types of fluids phenomena and the math behind it all using wind-tunnel experiments and table-top demonstrations.

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PULSAR+

Expand your horizons with GERI's newest addition to Summer Residential (SRES)! Pulsar+ will allow SRES campers who have completed their sophomore year of high school to apply for college credit through Purdue and the GERI camp experience. Pulsar+ courses have two components: Part I, the online, for-credit component, will be completed prior to camp; Part II, the in-person portion of the course, will be completed at SRES. Courses offered will give 3 hours of college elective credit, useable at Purdue and transferrable to other universities. To take advantage of this opportunity, campers must enroll in SRES Pulsar I and/or Pulsar II in addition to Pulsar+.

PULSAR+ Course Descriptions

Career Calibration Laboratory (PULSAR I or II)

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Steps to Apply

1. Register for GERI Summer Residential.
 - a. Select one class from the Pulsar+ course options for which you want to earn college credit. (Career Calibration Laboratory)
 - b. Before **March 1st**, complete the GERI SRES application online at <https://tinyurl.com/SRES2018>, ensuring that you have selected the Pulsar AM course that matches the Pulsar+ course you have selected.
2. Read about Purdue's requirements for Non-Degree Students and complete the Purdue Non-Degree Student application online **by April 1st** at <https://www.admissions.purdue.edu/nondegree/index.php>
3. You will need to complete the following by **April 1st**
 - a. Complete the Purdue Non-Degree Student Application.
 - b. Complete a High School Non-degree Permission Form, which must be signed by a parent/guardian and a school official.
 - c. Pay the one-time, non-refundable application fee of \$60.
 - d. If you are an international student from a non-English speaking country, provide an English proficiency test score. See the following link for ways to obtain an English proficiency exam (<http://www.iss.purdue.edu/admission/ugrad/tests.cfm>).
 - i. Be aware that Purdue cannot provide visa eligibility documents for an F-1 visa for non-degree students. See the admissions website above (#2) for details.

IMPORTANT: The non-degree admission process is conducted by Purdue Admissions, not the GERI program. An admissions officer will review your Purdue Non-Degree Student application and notify you of their decision. If you have questions, please contact the Purdue University Office of Admissions at (765) 494-1776 or admissions@purdue.edu. Be sure to identify yourself as a non-degree seeking, high school student.

NOTE: High school students accepted to the non-degree program must reapply as a degree-seeking undergraduate should they wish to pursue a Purdue degree after high school graduation.

4. If you are admitted, you will receive a Purdue ID and login with instructions regarding course registration and tuition payment. Please make sure you complete all requirements on time!

If you are not admitted as a non-degree student, GERI will contact you to select another course for your Pulsar I or II camp.

WELCOME TO THE

PURDUE HONORS COLLEGE

GERI is proud to announce that Summer Residential students will be housed in the newly innovated Purdue Honors College beginning July 2018. The Honors College offers outstanding facilities and brings campers closer to experts and researchers who can partner to drive their futures forward!

Classrooms, Labs, and Technology

The Purdue Honors College features large classrooms designed for active learning. These spaces will be used for large-scale projects and special classes featured at GERI Summer Residential.



Dormitories

Students will stay in the brand new Honors College and Residences, giving them fast access to their classrooms and the world of Purdue. Honors College and Residences houses two campers per room, with student lounges on every floor for small group activities and GERI games!

Honors Hall

Honors Hall will function as the center of GERI activity. Students will meet here for check-in, evening activities, and special events such as Global Gala!



The Honors Community

The Purdue Honors College has an international reach and welcomes students from all backgrounds. Campers will get a taste for college life in a close-knit community of scholars and researchers while having a blast at GERI Summer Residential!

Join us this summer!



PROGRAM details

No-Show Policy – Students who register for the program but who do not attend will be charged the full tuition amount unless we receive a cancellation request in writing two weeks before the start of the camp.

Accommodations

- **Facilities** - Students live in residence halls on the safe, friendly West Lafayette campus of Purdue University. Located just a short walk from students' classes, libraries, computing centers, and recreational facilities, the Honors College residence halls are fully air-conditioned and easily accessible to students with physical disabilities. Male and female students are housed in separate areas of the building, and no visits to opposite-gender floors are allowed.
- **Roommates** – Each participant will be paired with a roommate, as available. Roommate requests must be submitted BY BOTH CAMPERS via email to Corinne Green, green252@purdue.edu, by May 15th.
- **Check In/Check Out** – Campers will check in at the Honors College, 1101 3rd Street, West Lafayette, IN 47906, between 11:30 AM and 2:30 PM, Eastern Standard Time, on the Sunday their program begins. Comet campers who commute daily should attend registration and their first class meeting on Sunday evening from 7:00-9:00 PM. On the final Saturday of camp, Parent-Teacher Conferences will be held at the Honors College from 9:00-10:00 AM followed by a closing ceremony. Check out is no later than 11:30 AM on the final Saturday.
- **Social Life** – An enjoyable social experience is just as important as the academic learning, and the Honors College residence hall will be the social hub of GERI Summer Camp. Lounges and common areas give students places to play music and games, watch movies, share a snack, read a book, collaborate on projects, or even do their laundry. Our friendly, experienced counseling staff works hard to create an environment in which all students feel safe, comfortable, and right at home. Students attending over Independence Day, July 4, will have the opportunity to see the local fireworks display.
- **'Refer a Friend' Program** – Returning campers who refer a friend as a first-time attendee will receive Purdue-themed items once the referred friend attends camp.

- **GERI Global Gala and Talent Showcase** – GERI campers come from all over the world and from many different cultures. We encourage you to share your culture with others during the Global Gala. Share a talent by performing a dance or singing a song. Teach a popular game that is played in your country or tell a story. Bring an item from home that represents your culture. Through food, music, dancing, and other cultural activities, promote your culture and heritage and give others a glimpse at what life is like in your community.
- **Dining** – The award-winning Purdue dining courts offer something for everyone. The dining court serves a varied menu of hot meals, a salad bar stocked with fresh fruits and vegetables, juices and drinks, cereals, and sandwiches. Even picky eaters or those with special dietary needs will have an appetizing variety of healthy foods from which to choose. If your child has special dietary needs, please call GERI at (765) 494-7243.

Supervision

- **Safety** – Key card building access and 24-hour residence hall staff help summer campers feel comfortable and secure. Students will be escorted to and from classes daily. Staff members supervise activities and field trips away from the residence hall and are always available to students who choose to stay at the residence hall during afternoon activities. Students never leave the residence hall without staff supervision. Unless they are with a staff member, students may not go beyond the academic campus and the small shopping areas near the residence hall
- **Social and Emotional Development** - A special feature of our program that sets us apart from other camps is our social-emotional curriculum. Our camp counselors understand the social and emotional needs of the GERI campers and are trained on student development, cultural sensitivity, and gifted children characteristics. Camp counselors facilitate an affective curriculum in a small group format during the program. Helping to build a sense of community, these discussion sessions are an integral component of our camp.
- **Medical Care** – Medical information and permission for treatment will be collected from participants prior to registration. Parents will be notified of any medical emergency or illness as soon as possible. Limited program medical insurance covers most basic costs, but any additional medical expenses or expenses related to existing conditions are the responsibility of the parents or guardians. Campers should bring an adequate supply of prescription medication in the original container to camp.

Financial Information

- **Tuition** – The program fees cover room and board, tuition, textbooks and course materials, field trips, limited medical insurance, and a GERI T-shirt. The fee does not cover incidental expenses, optional afternoon or weekend activities, or transportation to and from Purdue University. An application fee of \$100 per student is due with the application and will be refunded only if the student is not accepted into the program.

Tuition (per session)			
COMMUTER COMET	RESIDENTIAL COMET	STAR	PULSAR
\$900	\$1200	\$2,400	\$2,400

Camp Discounts - Three discount programs are available; only one offer may be used per camper.

- **Purdue Employee Discount** – for GERI campers whose parents or grandparents are employed by Purdue University (Purdue email must be presented for verification),
 - **Siblings Discount** – for siblings who attend the same summer, and
 - **Multiple Session Discount** – for campers who attend more than one session
- Comet - \$75 discount per camper per session
- Star and Pulsar - \$150 discount per camper per session
- **New! Early Bird Discount** – Those who register between February 1st, 2018 and April 1st, 2018 will receive an early bird discount of \$100.
 - **Payment** – Payment in full is due June 1. Payments can be made via check, money order, VISA, MasterCard, and Discover. No cash will be accepted. *We cannot process your application until the tuition deposit of \$100 is received. Attendance at camp may be denied if payment is not received in full by the first day of camp.*
- NOTE: Pulsar+ students must pay Purdue tuition in full at an earlier date for the non-degree, Purdue credit. Please see page 10 for details.
- **Late Registrants** – Registrations received after June 1 must be paid in full at the time of application.
 - **Refunds** – Students who withdraw prior to two weeks before the program begins will receive a refund equal to any paid tuition less the \$100 application fee. No refunds will be made for failure to attend camp without two-week written notice prior to the start of camp.
 - **Financial Assistance** – GERI provides a limited number of partial scholarships to students with financial need. To be considered for financial aid, a student must submit a complete application (including the financial aid section with documentation of financial need) and meet academic eligibility criteria. Scholarships are awarded on a first-come, first-served basis. Applications for financial aid will not be considered before a complete application is submitted and program eligibility is established. Because funds are limited and the demand for financial assistance exceeds our resources, we strongly recommend submitting an application as early as possible. Qualifying for financial aid in a previous program does not guarantee aid in subsequent programs.

Travel to Purdue University

- **By Car** – West Lafayette is just off I-65 between Indianapolis and Chicago. See page 13 for detailed directions.
- **By Plane** – Fly into the Indianapolis International Airport. Check with your airline for their policy regarding unaccompanied minors. Shuttle service to Purdue University is offered by Lafayette Limo (www.lafayettelimo.com, 765-497-3828) for \$50, round trip. GERI offers airport transportation for a fee of \$70, round trip, payable when the application and deposit are submitted. **Please indicate if you need picked up at the Indianapolis airport in the “Application Fees” section of your application.** E-mail geri@purdue.edu at least one month prior to your program's start date to confirm arrangements.

If you are flying into an airport other than the Indianapolis International Airport, you will be responsible for making your own transportation arrangements to and from Purdue University. Lafayette Limo (see above) has service from O'Hare Airport in Chicago.

International Students

International student groups or individual students attending GERI Summer Residential may be eligible to do so with a B status visa waiver by showing their invitation letter upon entry into the United States. To learn more about this program, or if you are not sure whether your country is eligible for participation, please visit <http://travel.state.gov/content/visas/en.html>

Daily Schedule	
7-8:30 AM	Breakfast
8:30-11:30	Morning class
11:30-1 PM	Lunch
1-4	Afternoon class
4-5	Recreational activities/free time/study time
5-6	Dinner
6-7	Meet with Small Groups
7-9	Activity sessions
9-11	Free/study time, group activities
11	Lights out/bed check (midnight on weekend)

ADMISSION

requirements

GERI Summer Camps are designed for talented students who have demonstrated an ability to succeed academically or artistically and are motivated to strive for additional challenges.

Returning Students

Register online at www.tinyurl.com/SRES2018 or complete program application form on pages 17 - 18.

Returning students do not need to submit an essay or qualifying documentation. Simply complete the program application form and send it along with payment.

New Students

1. Register online at www.tinyurl.com/SRES2018 or complete program application form on pages 17-18.

2. A one- to two-page essay or alternative media (such as a website, PowerPoint presentation, or art portfolio) statement that addresses your desire and motivation to participate in the Summer Residential program. Use the following questions as guidelines:

- Why did you select the class(es) you have chosen?
- In what ways do you think you will benefit from the program?
- Why do you want an academic and/or artistic challenge?
- If accepted, what will you contribute to the success of the program you attend?

3. Please provide ONLY TWO of the following documents:

- Student grade transcript showing a GPA of 3.5/4.0 (B+) in the talent area related to the applicant's choice of GERI class(es). Grades may be from the most recent year or cumulative.
- Individual or group intelligence test results with a minimum score of 120. Please submit results from the test company or school.
- National or state achievement or aptitude test results at or above the 90th percentile in a specific area of study. These tests must provide comparison scores and percentile rankings, not percentages correct. Examples include ITBS, I-STEP, CAT, MAT8, Midwest Talent Search, SAT, PSAT, ACT, or PLAN tests. Please submit test reports.
- Recommendation letter from a teacher or mentor in the talent area. This letter must address specific examples of the student's performance, experiences, and potential in the talent area of the class(es) he or she has selected.
- Documentation of involvement in the talent area. Such documentation can include awards, certificates, service, or recognition letters documenting involvement.



GERI SUMMER CAMPS application

www.tinyurl.com/SRES2018

Side 1

Apply online at
www.tinyurl.com/SRES2018
or return this form to

Return to:

GERI Summer Camps
Purdue University
Beering Hall, Room 5178
100 North University Street
West Lafayette, IN 47907-2098

Phone: (765) 494-7243
Fax: (765) 494-5832

Please indicate below
how you heard (found out) about
the GERI program.

- ☐ Friend
- ☐ School Counselor
- ☐ Mailed to your home
- ☐ School Teacher
- ☐ GERI Web site
- ☐ Facebook
- ☐ Internet search such as Google
- ☐ Other (please specify): _____

*An equal access/equal
opportunity/
affirmative action
university*

I am applying for the following program (choose one):

- ☐ COMET - for those who have completed grade 5 or 6
- ☐ STAR - for those who have completed grade 7 or 8
- ☐ PULSAR - for those who have completed grade 9, 10, 11, or 12

Registration opens 2/1/2018.

NEW! Use our online application for faster registration! Go to www.tinyurl.com/SRES2018 for the registration link.

In order to be considered for your chosen program, new campers must complete both sides of this application and return along with

(1) Student essay or alternate media project; (2) Two of the academic eligibility documents; (3) \$100 application fee; (4) \$70 transportation fee, if applicable

GERI reserves the right to cancel programs at any time. Purdue University is not responsible for costs incurred due to cancellation.

Purdue is committed to making its programs accessible to individuals with disabilities. If you require an accommodation or special assistance for this program due to a disability, please contact us at (765) 494-2758.

Applicant Information

Name _____
Last First Middle Initial

Date of Birth (mm/dd/yyyy) _____

Ethnicity (optional/check all that apply)

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

Gender _____ Grade 2017-18 _____ Home Phone (_____) _____

Home Mailing Address _____

City _____ State _____ ZIP _____

Student Email _____

Check all that apply:

- ☐ I have participated in a previous session of the Summer Residential programs at Purdue.
- ☐ I am applying for financial aid. (To be considered for aid, you must also return the Financial Aid Application.)
- ☐ I do not give permission for my photo or image to be included in the GERI yearbook or be used for publicity purposes.
- ☐ I am referring a friend. Name of friend _____.

Parent/Legal Guardian Information

Parent/Legal Guardian Name _____

Work Phone (_____) _____ Cell (_____) _____

Parent/Legal Guardian Name _____

Work Phone (_____) _____ Cell (_____) _____

Parent E-mail Address *required* _____

Not all parents have the means to send their children to GERI summer camp. Your monetary donation will help us offer scholarships to qualified children with financial need. Please consider sponsoring another camper when you register your son or daughter. Sponsorships are not tax-deductible but can be paid at the time of registration. **If you would like to make a tax-deductible donation to GERI camps instead, please use the following link: Giving.Purdue.edu/GERI. Thank you!**

☐ I will make a tax-deductible gift in the amount below to Giving.Purdue.edu/GERI.

☐ I will include a non-tax-deductible gift in the amount below with this registration.

- ☐ \$50
- ☐ \$100
- ☐ One half a Comet Registration (\$600.00)
- ☐ One Comet Registration (\$1200.00)
- ☐ One half a Star/Pulsar Registration (\$1200.00)
- ☐ One Star/Pulsar Registration (\$2400.00)
- ☐ Other (please specify): \$ _____

COMET
(completed grade 5 or 6)

☐ Comet I, July 1 - July 7 Commuter (\$900.00)

☐ Comet I, July 1 - July 7 Resident (\$1,200.00)

CSI Investigation

Electromagnetic Claw Game: Diggin' for Fools' Gold

The Art of Storytelling: From Imagination to Publication

Robotec: Bytes and 'Bots

Your Future in Bioengineering

☐ Comet II, July 8 - July 14 Commuter (\$900.00)

☐ Comet II, July 8 - July 14 Resident (\$1,200.00)

Circuitry Art

Community Problem Solvers: Teamwork in Action!

Electromagnetic Claw Game: Diggin' For Fools' Gold

World of Spies: Keeping Secrets

Your Future in Bioengineering

STAR
(completed grade 7 or 8)

☐ Star I, July 1 - July 14 (\$2,400.00)

Morning

European Game of Thrones

It's All Greek to Me!

Serious Gaming in the Classroom

STEAM Labs™

Vet Med

Videography and Film Making

Afternoon

Destination Space

Feeding Future Humans

Harry Potter in Society: The Magic of Creativity

Lights, Curtain, Action!

Toy Design in Mechanical Engineering

Wizards, Aliens, and Starships

☐ Star II, July 15 - July 28 (\$2,400.00)

Morning

Blast off! An Exploration into Astronomy

Famous Flying Females – Pioneers, Daredevils, and Heroines

Feeding Future Humans

Harry Potter in Society: The Magic of Creativity

Vet Med

Videography and Film Making

Afternoon

Brain Blasting Biology

Digital Journalism

STEAM Labs™

Sub Monte Irato: Under the Angry Mountain

Wizards, Aliens, and Starships

World of Spies: Keeping Secrets

PULSAR
(completed grade 9, 10, 11, or 12)

☐ Pulsar I, July 1 - July 14 (\$2,400.00)

Morning

Biomedical Instrumentation

Cyber Criminology

Digital Journalism

Exploding Electronics: The Deconstruction of Sustainability

Leadership 101

Videography and Film Making

Afternoon

Bloody Bits of Shakespeare

Career Calibration Laboratory (Pulsar+ Part II)

Experiments in Fluids

The Rise of the Internet of Things

STEAM Labs™

Understanding Diplomacy through Game Theory

What's Shaking? Engineering Buildings for Earthquakes

☐ Pulsar II, July 15 - July 28 (\$2,400.00)

Morning

Career Calibration Laboratory (Pulsar+ Part II)

European Game of Thrones

Exploding Electronics: The Deconstruction of Sustainability

STEAM Labs™

Videography and Film Making

Afternoon

Bloody Bits of Shakespeare

Cyber Criminology

Design of Smart & Connected Toys in Mechanical Engineering

Experiments in Fluids

What's Shaking? Engineering Buildings for Earthquakes

☐ Pulsar+ I, July 1 - July 14*

☐ Pulsar+ II, July 15 - July 28*

*You will be contacted by the instructor regarding the start date for the online, for-credit portion of the course.

GERI SUMMER CAMPS
application

Side 2

Course Preferences

Please follow these instructions carefully:

1. Check the box next to each Summer Residential session you plan to attend.

2. Mark your 1st, 2nd, 3rd choices in the blank next to the class name (1 = first choice, 2 = second choice, etc.). If you plan to attend multiple sessions (e.g., Star I and Star II), list a first, second, and third choice for each session you plan to attend.

Transportation Fee

If you are requesting GERI transportation to and from the airport, an additional fee of \$70 is due with the application and \$100 deposit. Please indicate if you need picked up at the airport in the "Application Fees" section of this form.

Before Sending

First-time campers should include the following items (see page 14):

1. Completed application

2. Student essay or alternate media

3. Two of the academic eligibility documents

4. \$100 deposit

5. \$70 transportation fee, if applicable.

Return to:

Submit your materials using online registration at www.tinyurl.com/SRES2018, email to geri@purdue.edu, or mail to

GERI Summer Camps - Purdue University
Beering Hall, Room 5178 - 100 North University Street
West Lafayette, IN 47907-2098

Phone: (765) 494-7243 - Fax: (765) 494-5832

Application Fees

Tuition

\$

Transportation, if applicable (check appropriate box at right)

\$

Non-deductible Contribution, if applicable

\$

Total

\$

Deposit

\$

Balance Due

\$

☐ I will need to be picked up at the Indianapolis International Airport and have included the additional fee of \$70 with this the application and \$100 deposit.

☐ I will make my own transportation arrangements.

Please see page 15 for more travel information.

Registration may be cancelled if payment is not received in full by June 1.

GERI SUMMER CAMPS
financial aid
application

GERI provides limited funds for partial scholarships on a first-come, first-served basis based on eligibility. Please submit this form and proof of financial aid eligibility (e.g., a copy of your school's free/reduced lunch certification letter or a copy of your 2017 income tax return). Your financial aid request will not be reviewed without this documentation.

Child's Name Birth Date

Parent/Guardian Name

Home Phone () Work Phone ()

All amounts should be the total for the 2017 calendar year.

1. Adjusted gross income

2. Taxable income

3. Total Social Security benefits for 2017

4. Total AFDC and/or ADC for 2017

5. Child support received for all children

6. Number of household members

a. Yourself

b. Spouse

c. Dependents

Total of a, b, and c

I certify that the information supplied above is accurate.

Parent/Legal Guardian Signature

Apply online upon registration or send your completed application form and eligibility documentation to:

by email to geri@purdue.edu OR

GERI Summer Camps
Purdue University
Beering Hall, Room 5178
100 North University Street
West Lafayette, IN 47907-2098
Phone: (765) 494-7243
Fax: (765) 494-5832

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www.purdue.edu/geri

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and donors for their generosity!

