DATES AND TUITION
Vanderbilt Summer Academy 2014 offers three sessions, designed for different grade levels.

Session I (one week)
Rising 8th Graders
(students entering 9th grade in fall 2014)
June 8–13
$1,250
Application Due: April 25

Session II (two weeks)
Rising 9th and 10th Graders
(students entering 10th or 11th grade in fall 2014)
June 15–27
$2,250
Application Due: March 28

Session III (three weeks)
Rising 11th and 12th Graders
(students entering 12th grade in fall 2014)
July 6–25
$3,250
Application Due: March 28

QUALIFYING SCORES*
Please note that scores are based upon the grade in which the student took the test.

SAT       ACT
7th Grade  500M or CR  20M or R
8th Grade  550M or CR  25M or R
9th Grade  590M or CR  25M or R
10th Grade 630M or CR  27M or R
11th Grade 670M or CR  29M or R

If you have taken the PSAT, add a zero to get your SAT score.

Once a student has qualified, he or she does not have to submit further test results for following years.

No SAT/ACT scores? Students may be eligible to apply through our portfolio admissions options. To apply via portfolio, students should complete the VSA application and essays and submit the following items in lieu of SAT/ACT scores:

• A grade-level assessment indicating 90th percentile or higher in either a verbal or non-verbal section. Acceptable assessments include but are not limited to: ERB,CogAT, Terra Nova, IRTS, Stanford Achievement Test, OLSAT, Woodcock-Johnson, WISC, Stanford-Binet, MAT.

• Two teacher recommendations.
• School transcript or most recent report card (transcript preferred).

Talent assessment forms.

A NOTE FOR PARENTS
Out-of-level testing, such as the SAT or ACT when given to younger students, offers the best gauge of how appropriate the course work may be for an individual.

In our experience, gifted students rise to the challenge of taking these tests, so long as undue pressure is not placed upon them. Students may take the SAT or ACT assessments at any time and at any grade level. They can also retake the tests and submit new results. We accept scores that were achieved through the Duke TIP Talent Identification Program, tip.duke.edu, but you are not required to go through TIP to apply to Vanderbilt Summer Academy. Please note that any scores submitted to us are for our placement purposes only, and do not go to VU admissions. You can register directly for either the SAT or the ACT through their websites:

collegeboard.com
Vanderbilt PTY code: SAT 3697
actstudent.org
Vanderbilt PTY code: ACT 5165

FINANCIAL AID
Vanderbilt Programs for Talented Youth is dedicated to making its programs available to qualified students regardless of ability to pay. To apply for financial aid, you may either send the application at pty.vanderbilt.edu/vsa or complete the financial aid application included in this catalog on page 33. Please note that financial assistance funds are limited, and awards are based on demonstrated financial need. VSA does not award full funding. All financial aid awards are partial.

APPLY ONLINE
VSA now offers online applications. Visit pty.vanderbilt.edu/vsa to access the online application.

CONTACT US
Phone: (615) 322-8261
Email: pty.peabody@vanderbilt.edu
Fax: (615) 322-3457

On behalf of Vanderbilt Programs for Talented Youth, we invite you to join us this summer to experience campus living at one of the world’s great universities.

For the academically gifted learner, Vanderbilt Summer Academy offers one-week, two-week, and three-week sessions, each taught by stellar Vanderbilt faculty and scholars. We maintain low faculty-student ratios so that you receive the individual attention necessary to pursue your academic interests through one of our intellectually rigorous courses. Each of our classes will develop your critical thinking skills, encourage intellectual exploration, and teach you how to thrive in a college classroom setting. At Vanderbilt Summer Academy, you will have the opportunity to push your intellectual limits alongside peers who also appreciate the sheer joy of learning and academic discovery.

Vanderbilt Summer Academy is unique among summer academic programs due to the high caliber of our faculty and access to university resources. You can study nanotechnology in a state-of-the-art lab, make legal arguments in Vanderbilt Law School’s model courtrooms, or go on rounds with doctors at the VU Medical Center. We also provide ways to develop your social, emotional, and physical well-being. Each afternoon you will participate in an Arête class to clear your mind, body, and spirit and become physically active through courses such as yoga, dance, martial arts, fencing, and many others.

The quality of our residential facilities and beautiful, tree-lined campus nestled in the heart of Nashville’s city center provides the perfect environment for learning. You will live in a first-year residence hall in The Martha Rivers Ingram Commons at Vanderbilt, enjoy pickup games of ultimate Frisbee on the green lawns of historic Peabody campus, and embrace what Vanderbilt and Nashville have to offer.

You will find that our programs have been designed specifically for students like yourself. VSA faculty and staff provide support and encouragement. Inside and outside our classrooms, to help you succeed academically. Whether it’s through expanding your knowledge in our accelerated courses, at a cookout, dance, or campus concert, Vanderbilt Summer Academy is committed to making your experience one that you will remember forever.

As you look through this catalog, we encourage you to imagine yourself here at Vanderbilt University this summer—learning, growing, and enjoying life with peers who share similar academic abilities and interests and a faculty and staff who care about you.

We hope to see you soon!

VANDERBILT SUMMER ACADEMY 2014 CATALOG
APPLY ONLINE: PTY.VANDERBILT.EDU/WSA    (615) 322-8261
Vanderbilt Summer Academy offers a challenging introduction to the academic rigor of college life at Vanderbilt. You will enjoy the excitement of in-depth, accelerated study of a fascinating subject within a community of your intellectual peers. Our course catalog (beginning on page 7) is filled with wide-ranging, interdisciplinary topics such as nanotechnology, religion and philosophy, history, and medicine. Regardless of where your interests take you, we have courses designed to provoke ongoing discussion and learning. Above all, Vanderbilt Summer Academy is a “risk-friendly” academic environment that will both challenge and foster your abilities.

Why VSA? We recognize that you have many choices of summer academic programs. Here are some things that set VSA apart.

- **Access to scholars.** Vanderbilt faculty and doctoral-level scholars teach most of our classes, so you’ll work with true content-area experts.
- **Small classes.** Classes have 12–15 students in most cases.
- **Personalized attention.** Each class has a dedicated instructor and teaching assistant.
- **Opportunities for personal development.** From Arête classes, to talks on social and emotional growth, to sessions with admissions counselors, VSA celebrates the whole you!
- **Campus living.** VSA students reside in a state-of-the-art first-year residence hall designed for social interaction with your community of like-minded intellectual peers.
- **Parent education.** VSA offers a special opening-day lecture and information session for parents, covering a range of topics relating to gifted teens and college admission processes.

**OUR PHILOSOPHY**

Our course work is a non-graded program and does not offer credit for course work. Rather, Vanderbilt Summer Academy promotes accelerated learning in an environment tailored to promote academic risk taking. We encourage you to push your intellectual limits without fear of failure. Rather than a grade, you will receive a performance evaluation. This thoughtfully prepared constructive feedback will help you accurately assess your achievements in the course work. More than a number or letter, this rubric is designed to help you understand your performance and abilities and to guide you in charting your future academic endeavors.

**OUR FACULTY**

Vanderbilt Summer Academy instructors (profiles beginning on page 21) are drawn from the wealth of talented faculty and scholars here in the Vanderbilt University and Nashville communities and include many distinguished professors, scientists, and researchers. All instructors are carefully selected not only for achievements in their fields, but also for their commitment to excellence in classroom teaching. These outstanding VSA faculty serve as academic role models, providing instruction and insights into their areas of study. A teaching assistant (TA) with demonstrated expertise in the content area supports each class. The TA serves as a resource to the instructor and to the class—sharing his or her perspective on the subject matter and helping promote a secure learning environment.

**OUR COURSE WORK**

The Vanderbilt Summer Academy course curricula are designed to meet the intellectual and cognitive needs of highly gifted youth.

Vanderbilt Summer Academy courses are:

- Accelerated and unique, offering you the opportunity to explore areas of study not typically available elsewhere.
- Fast-paced and rigorous with an emphasis on critical and creative thinking.
- Drawn from a broad range of disciplines in order to maximize the potential for interdisciplinary study.
- Rooted in the rich academic and cultural environment of Vanderbilt University and the surrounding Nashville community.

Vanderbilt Summer Academy offers the opportunity to explore exciting new areas of study—in and out of the classroom. You can study in campus libraries, laboratories, studios, and galleries, and enjoy many of the off-campus resources that Nashville provides. The innovative curricula allow you to learn through hands-on activities, real-world scenarios, laboratory experiments, lively group discussions, and self-directed projects.

With six hours a day devoted to learning, VSA courses allow for a satisfying level of focus and depth. And while the course work can be exciting and intensive, homework assignments are kept to a minimum. When out of class, you will be able to fully enjoy the social and recreational activities Vanderbilt Summer Academy has to offer.

**ASSESSMENT**

So students can best experience the joy of learning within a group of true intellectual and social peers, Vanderbilt Summer Academy is a non-graded program and does not offer credit for course work. Rather, Vanderbilt Summer Academy promotes accelerated learning in an environment tailored to promote academic risk taking. We encourage you to push your intellectual limits without fear of failure. Rather than a grade, you will receive a performance evaluation. This thoughtfully prepared constructive feedback will help you accurately assess your achievements in the course work. More than a number or letter, this rubric is designed to help you understand your performance and abilities and to guide you in charting your future academic endeavors.

Because Vanderbilt Summer Academy realizes that parents are important partners in the intellectual growth of their children, instructors make themselves available to parents for an optional end-of-session open house or conference.

“I enjoyed the preview of college life and the balance of classes.”
Residential Life at Vanderbilt Summer Academy

Vanderbilt Summer Academy isn’t only about the academic experience. We believe that life outside the classroom is just as important as what goes on inside. Each weekday, you will participate in an extracurricular Arête class, plus, every evening, you will be able to choose from a wide range of activities from ultimate Frisbee and field days to tie-dyeing and talent shows. In addition, time is built into the schedule to allow plenty of opportunities for you to unwind and socialize with your new friends. Not only will you have the chance to live on a college campus, but you will also get to sample some of the many cultural and entertainment offerings of Nashville through group outings and field trips.

HOUSING
Hank Ingram House, on The Ingram Commons, will be your “home away from home” at VSA. This building combines the best of modern conveniences within a graciously classic exterior.

This centrally air-conditioned house includes laundry facilities on the first floor and vending machines for snacks. Floors are separated by gender, and each has four communal bathrooms. Living in Hank Ingram House will give you a sneak peek into Vanderbilt’s residential experience for first-year students. Learn more at commons.vanderbilt.edu.

RESIDENTIAL STAFF
Our carefully selected and trained house leadership team and proctors will supervise the residence hall and guide students through evening and weekend activities. Several VSA proctors will live on each floor near assigned same-gender proctor groups of 12–15 students. Proctor groups will meet each evening with their proctor and will enjoy occasional group outings together. Additionally, two permanent PTY year-round staff will reside in the hall to supervise the residential staff and ensure student safety.

DINING
Vanderbilt Summer Academy students will eat most of their meals in campus dining halls, which offer a wide variety of healthy and savory selections including vegetarian and vegan options. All meals served in the dining halls or at VSA-wide events are covered in the tuition. Several dining outlets sell espresso drinks and snacks during the day. Outside food purchases, such as snacks or ice cream, will be the responsibility of the student.

SAFETY, HEALTH, AND STUDENT SUPERVISION
Vanderbilt Summer Academy recognizes the importance of proper health and safety for everyone in our program. Our trained staff live in the residence hall, supervise activities, and maintain the overall well-being and safety of students during the program. Students will spend the majority of their evenings and weekends participating in supervised events and activities. Discretionary time will vary by session. The VU Police Department partners with VSA in securing the residence hall and campus. The VSA residence hall houses only program participants and authorized Vanderbilt staff. All students are provided with keys to their dorm rooms in order to allow them to secure their belongings.

Because Vanderbilt Summer Academy is an opportunity to experience communal living, some of the responsibility for health and safety will rest with you. You will be informed of the program guidelines for behavior, participation, and campus boundaries in the Vanderbilt Summer Academy Student Handbook, which you will receive upon admission. All rules are designed to foster a healthful, respectful environment where everyone can find success and enjoyment. In the event that you need medical attention, a staff member will accompany you to the Vanderbilt Student Health Center or the Monroe Carell Jr. Children’s Hospital at Vanderbilt, depending on the situation and time of day. Both facilities are nearby. The staff member will stay with you until the situation is resolved. The Vanderbilt Summer Academy office will contact your parents or guardians and will keep them informed. VSA also has established procedures for the handling of routine medications. Details will be provided upon admission to the program.

“VSA was life-changing. I learned so much and met awesome people; I think about it all the time.”
The Arête program kicks off each weekday afternoon with specialty classes. Arête classes typically explore areas of the performing, physical, martial, and visual arts, giving you a chance to sample something new and different. They will help you transition from your busy class day into the more leisurely pace of the evening. See a sampling of Arête offerings listed below. Remember, absolutely no prior experience is necessary! Arête options are subject to change. You will receive detailed information about Arête classes in your VSA welcome packet.

“Aρετή class was a BLAST!”

Juggling
Even if you are all thumbs, you can learn to juggle! Juggling is great fun, and it also teaches you amazing hand-eye coordination. You’ll wow your friends with your newfound juggling skills.

Martial Arts & Self Defense
The odds are that you’ll never be attacked or mugged. Still, wouldn’t it be nice to know what to do if you were? This class will teach students basic techniques drawn from different martial arts to learn effective methods of self-defense. You’ll learn creative ways to disable an opponent no matter your height or body strength.

Improv Comedy
Take advantage of the moment and make people laugh. In this introduction to improvisational comedy, you will learn techniques to perfect comic timing, perform spontaneous scenes, and play off cues from your audience. Improv also teaches valuable life skills such as listening, communication and self-confidence while developing individual creativity through the use of theatre games and exercises.

Yoga
Meaning “to unite,” yoga promotes balance of mind and body through a series of postures and mindful breathing. Yoga derives from an Indian spiritual tradition that is over 5,000 years old. You’ll leave this class calm, centered, and energized!

And MANY more...
PARODY AND WIT
From James Joyce to Stephen Colbert, from Monty Python to The Onion, parody has become one of the most common forms of artistic expression. In this course, you will explore the role of parody in contemporary political and social discourse, and, more importantly, use your own creativity and wit to comment on the world around you.
—David Kessler
A great course for those who enjoy dry wit and subtle humor.

COMPUTER MODELING AND PROTEIN THERAPEUTICS
Using proteins to treat disease is a fast-growing area of medical research. Students in this course will experience how biochemists use advanced Linux software to view and manipulate real proteins in 3-D in order to make new discoveries about protein structures and guide the developments of new medicines for patients.
—Brittany Allison
A great course for computer enthusiasts and future chemists.

THEATRE: PLAYING THE PAGE AND READING THE STAGE
Playwrights write plays to be seen and heard, not read silently from a book. So, in this course, students will delve deeply into dramatic fiction by discussing, viewing, and performing works explored in class. Students will investigate how extra-textual elements, such as costuming, blocking, sound effects, movement, and gesture interact to shape how we understand the words on the page. Since the best way to analyze drama is by performing it, students will also put themselves on stage, working in groups to write adaptations and perform scenes from the plays we read. No prior theatre experience is necessary. Break a leg!
—Rosie Seagraves, Ph.D.
A great course for readers and writers with a flair for the dramatic.

THE ART OF WAR IN ANCIENT AND MODERN CHINA
Sunzi’s Art of War is a touchstone of modern American popular culture that invokes the mystery and profound strategic wisdom of ancient China. But what did Sunzi (Sun-Tzu) really say, and, just as important, what did he mean? Students in this course will find the answers to those questions by not only reading Art of War but also contextualizing the environment in which it was written. This in-depth examination will illuminate how Sunzi approached strategy and how his approach continues to shape the geopolitical landscape.
—Peter Lange, Ph.D.
A great course for history buffs, book lovers, and young conquerors.

PUZZLES AND PROBLEM SOLVING
Explore challenging math and logic puzzles with solutions that pose even more interesting questions. In this course, students will wrap their minds around counterintuitive solutions and tease their brains with apparent contradictions. How does a group of logical pirates agree to distribute their loot? If a car changes its speed according to its distance from its final destination, how long does it take the car to reach its goal? To answer these questions, students will work in small groups to learn principles of probability, logic, game theory, and more.
—Matt Velasco
A great course for people suspicious of crime scene television shows.

READING BONES: FORENSICS AND BIOARCHAEOLOGY
Scientists who study human remains at modern crime scenes (forensics) and ancient burial sites (bioarchaeology) can tell a lot from bones. This fast-paced course will teach students the methods and techniques forensic anthropologists use in the lab and the field to determine age and sex and analyze blunt force and projectile trauma. Students will work with real human bones in Vanderbilt’s Osteology Lab, visit local archaeology sites, and possibly tour Vanderbilt’s Gross Anatomy Lab (permission pending). By the end of this course, students will be able to weave together multiple lines of evidence—skeletal, chemical, and contextual—to read the stories written in our bones.

THE HIDDEN HISTORY OF SLAVERY
For most of us, the word “slavery” conjures the same image: displaced Africans toiling under brutal conditions in the cotton fields of the southern United States. But that picture is only one truth of many inside a grim history. With a comparative eye on slavery throughout the Americas, students in this course will study maps, photographs, and historical documents from Vanderbilt’s archives to explore the cultural and economic factors that influenced the slave trade and the diverse experiences of slaves, and how such complexities have shaped the world we live in today.
—Angela Sutton, Ph.D. candidate (expected May 2014)
A great course for budding historians looking for a deeper dive into a complex topic.
COMBINATORICS AND GRAPH THEORY
How many ways are there to pick three scoops of ice cream? Now, what if you want three different flavors stacked high in a sugar cone, your favorite flavor on top? Combinatorics begins with concrete questions such as these and infuses them with broader mathematical concepts. Graph theory, too, uses practical questions to launch complex ideas. By melding the tangible with the abstract, this course zeroes in on two closely related and highly relevant areas of discrete math. Together, combinatorics and graph theory explore the beauty and function of advanced mathematical ideas, revealing how such abstract properties can be natural tools for describing our world.

—Zachary Gaslowitz
A great course for playful and practical mathematicians alike

THE MOVING PARTS OF STORIES
Like watches, short stories are made up of pieces that can be disassembled and examined in order to tell us more about the story as a whole. In this course, students will spend time dissecting, reconstructing, and thinking creatively about short stories from a diverse group of authors. Students will also write and share their own short stories; from six-word memoirs to novellas, we all have a story to tell.

—John Maddox
A great course for avid writers and readers with an eye for detail

WRITING SHORT STORIES
In the world of literature there’s hardly anything as satisfying—or as difficult to create—as a well-crafted short story. William Faulkner called the short story “the most demanding” form of prose; students in this course will develop the skills necessary to rise to Mr. Faulkner’s challenge. Aspiring writers will exercise the creative process, develop plot, craft complex characters, and explore ideas of narrative and voice. They will read and discuss short stories, and they’ll try out concepts in their own daily writing prompts. By the end of the class, students will have completed short stories of their own.

—Marysa LaRowe
A great course for young writers with stories to tell

ANTI-SEMITISM AND COMIC BOOK HEROES
Did you know that comic book heroes have fought more than just crime? In the early days of comics, talented Jewish artists drew upon symbolism from the Bible and Jewish lore to battle anti-Semitism at home and abroad. Students in this course will traverse this little-known history of the graphic novel. They will learn essential skills of literary analysis, so they can venture into the world equipped to engage with the works of modern authors and artists. Students will see how modern artists draw upon the tropes, not only of Judaism, but also of many other world religions, in the battle for truth and justice in our own time.

—Chris Paris, Ph.D.
A great course for justice seekers with a penchant for modern mythology

ASTROBIOLOGY: THE SEARCH FOR EXTRATERRESTRIAL LIFE
How did life originate on Earth? Is our solar system unique, or do other planets like ours exist? Has life evolved elsewhere in our galaxy? Can we detect and communicate with an alien civilization? Astrobiology is a developing scientific discipline with countless open-ended questions. This course will sample a range of topics, including the search for extrasolar planets, the origin and evolution of life on Earth, and the search for life on other solar system bodies. The course will culminate in student designs of alien life forms, complete with adaptations appropriate for their host world.

—Lauren Palladino
A great course for “starstruck” scientists who revel in the unknown

Vanderbilt leads the country in its commitment to create the best possible undergraduate learning environment. At the heart of this objective lies the mission of The Ingram Commons—a unique program designed to make the first-year experience challenging, fun, and fulfilling. This collaborative community nurtures and develops proactive, intentional learners and invites an invigorating exchange of ideas. To learn more about The Ingram Commons, please visit commons.vanderbilt.edu.

The Ingram Commons at Vanderbilt University

At Vanderbilt Summer Academy, you don’t have to wait until you are a college student to enjoy The Ingram Commons experience. The Dean of The Ingram Commons and the staff of Vanderbilt Summer Academy have worked together to create programming designed to enlighten and to stimulate thinking for VSA students. You will have the opportunity to learn and to be inspired as you talk over the dinner table with professors from all parts of Vanderbilt University or as you share your own interests at informal colloquia that you and your friends and colleagues design. You can work together to create your own community of scholarship and fun.
Session II Course Catalog

RISING 9TH AND 10TH GRADERS • JUNE 15–27 • $2,250

(For students who will be entering 9th or 10th grade in fall 2014)

Qualifying scores based on grade in which student took test:

7th Grade
SAT—650 M or CR
ACT—25 M or R

8th Grade
SAT—650 M or CR
ACT—22 M or R

9th Grade
SAT—590 M or CR
ACT—25 M or R

Session II Course Titles

Heroes and Villains
Nanotechnology
Agents of Change
Microbiology
Math and Music
Reading Bones
Hidden History of Slavery
Abnormal Psychology
Adaptation in Film
Writing Short Stories
Hallwood Ground
Stellar Astronomy

For students who will be going into 9th and 10th grades, Session II strives to reach the right combination of free time coupled with structured activities outside of class, allowing you to choose recreational and social experiences that appeal to you. On the Session II weekend, we will arrange outings around Nashville and possibly an all-VSA recreational outing such as ice skating or laser tag. Throughout your session, you will also find a diverse selection of unique evening activities from seminars on choosing a college to intramural ultimate Frisbee competitions to film screenings to just hanging out with your new friends. Our goal is for VSA Session II students to experience an age-appropriate sampling of campus life, living in a residence hall and creating a close-knit community among like-minded peers.

HEROES AND VILLAINS IN LITERATURE

From modern short stories to classical mythology, authors have known that the best heroes and villains are like anybody else—complicated! We are often faced with heroes who seem utterly immoral or villains with whom we cannot help but sympathize. In this course, you will explore the problem of the hero and the villain in modern literature, television, and film, as well as in historical sources.

—David Kumler
A great course for budding literary critics and fans of television tropes

NANOTECHNOLOGY AND ENGINEERING

The “next big thing” in engineering isn’t big at all. Nanotechnology is revolutionizing how we interact with our world. With a focus on two broad topics, energy and health, students will conduct hands-on experiments that will help them understand how nanotechnology makes life-saving drugs more effective, converts solar energy into electrical power, and much more.

—VINSE faculty, including Greg Walker, Richard Haglund, James Dickerson, Todd George, David Cliffel, Jim Davidson, Kane Jennings
A great course for students who use science to solve problems

A DAY IN THE LIFE OF VANDERBILT SUMMER ACADEMY SESSION II**

Weekday Schedule
8:00 – 8:45 a.m.
Breakfast
9:00 a.m.—Noon
Claw
Noon–1:00 p.m.
Lunch
1:00 – 3:00 p.m.
Claw
3:00 – 4:00 p.m.
Study Hall with TAs
4:15–5:15 p.m.
Arête Class
5:15 – 6:00 p.m.
Free Time
6:00 – 6:50 p.m.
Dinner
7:00 – 9:00 p.m.
Proctor Meeting and Free Time on Hall
10:00 p.m.
Room Curfew*
10:30 p.m.
Lights Out* ** Subject to change

A WORD ABOUT CLASS CHOICE

Classes fill quickly! Please consider your course choices carefully. While we will do our best to place you in your first-choice class, it may be filled, and we often have to place students in second- or third-choice classes. As you review these course descriptions, please rank-order as many classes as you’d like, knowing that you may not get your first choice. Your deposit becomes non-refundable once we place you in a class that you have ranked. So, rank only those classes that you are truly willing to take—and pay for!

AGENTS OF CHANGE: ADVOCACY, RHETORIC, AND SOCIAL ACTION

So, you want to make a difference in the world? Here’s a place to stoke that fire. Taught by a Vanderbilt professor, this course will help students apply Aristotelian rhetoric to influence political, economic, and social change. Students will identify and research multiple sides of contemporary social issues, make their case, and defend it. While students will learn some fundamentals of public speaking, more importantly, they will learn how to think critically, argue effectively, and mobilize support for the matters that matter to them.

—John English
A great course for future lawyers, politicians, community activists, and anyone else who wants to change the world.

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VANDERBILT SUMMER ACADEMY 2014 CATALOG

APPLY ONLINE: PTY.VANDERBILT.EDU/DSA     (615) 322-8261

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MICROBIOLOGY AND IMMUNOLOGY: PARASITES, SUPERBUGS, AND OTHER MICROBES

When you were little, your parents might have told you that germs can make you sick, but the story is more complex. In truth, you have more microbes inside you than human cells. Some of these microscopic organisms (microbes) both harm and help the human body. Students in this course will learn how microbes and the body interact, keeping you healthy or making you sick. Students will observe the workings of an infectious disease lab at Vanderbilt University (learning and practicing standard safety protocol with only strains approved by a Biosafety Officer). Students will also discuss contemporary social issues that surround the ways modern medicine treats and prevents microbe-related diseases. Prerequisite: Biology or comparable life science course strongly recommended. Additional application materials: transcript

—Holly Algoud, Ph.D., and Jen Caddy, Ph.D.

A great course for future biologists fascinated by the microbial world of the human body

MATH AND MUSIC

The dance between math and music is an intricate one. From Brahms to Beatles, Bartók to Ben Folds, the points at which mathematics and music collide open up both worlds as expressions of beauty and wonder. This course will examine set theory, musical scales, frequency, matrices, serialism, compositional techniques, and the Fibonacci sequence, among other topics, helping students to reach a synthesis between the fields of math and music. A musical background is helpful but not required.

—Darren Gray

A great course for music lovers with a penchant for math

READING BONES: FORENSICS AND BIOARCHAEOLOGY

Scientists who study human remains at modern crime scenes (forensics) and ancient burial sites (bioarchaeology) can tell a lot from bones. This fast-paced course will teach students the methods and techniques forensic anthropologists use in the lab and the field to determine everything from age and sex to geographic region and diet of the deceased. Students will work with real human bones in Vanderbilt’s Osteology Lab, visit local archaeology sites, and possibly tour Vanderbilt’s Isotope Chemistry Lab (permission pending). By the end of this course, students will be able to weave together multiple lines of evidence—skeletal, chemical, and contextual—to read the stories written in our bones.

—Matt Velasco

A great course for people suspicious of crime scene television shows

THE HIDDEN HISTORY OF SLAVERY

For most of us, the word “slavery” conjures the same image: displaced Africans toiling under brutal conditions in the cotton fields of the southern United States. But that image is only one truth of many inside a grim history. With a keen eye on both North and South America, students in this course will study maps, photographs, and historical documents from Vanderbilt’s archives to explore the cultural and economic factors that influenced the slave trade and the diverse experiences of slaves, and how such complexities have shaped the world we live in today.

—Angela Sutton, Ph.D. candidate (expected May 2014)

A great course for budding historians looking for a deeper dive into a complex topic

CONTEMPORARY TOPICS IN ABNORMAL PSYCHOLOGY

How do we know what is psychologically normal? What constitutes “abnormality,” and how is it determined? Questions like these have fascinated physicians and philosophers throughout history. Students in this course will develop a deep understanding of how modern psychology classifies, diagnoses, and treats “disorders” ranging from anxiety and depression to substance abuse. They will also explore how modern media reflect shifting attitudes about mental health and how that affects everything from legal decisions to military policy.

—Rachel Aaron

A great course for mind mappers and detectives of the human brain

ADAPTATION IN FILMMAKING

Imagine you are producing a movie based on your favorite book. Where do you start? How do you determine what separates a good adaptation from a terrible one, and, as a filmmaker, how can you make sure your film does justice to the original work? This course emphasizes the hands-on processes used to create superlative short films: adapting, planning, filming, and editing. Students will complete several film projects, start to finish, learning how to produce films and how to best capture and convey our favorite stories.

—Jake Wilson, Nathan Paule

A great course for students inspired by writing and film

WRITING SHORT STORIES

In the world of literature, there’s hardly anything as satisfying—as or difficult to create—as a well-crafted short story. William Faulkner called the short story “the most demanding” form of prose; students in this course will develop the skills necessary to rise to Mr. Faulkner’s challenge. Aspiring writers will exercise the creative process, develop plot, craft complex characters, and explore ideas of narrative and voice. They will read and discuss short stories, and they’ll try out concepts in their own daily writing prompts. By the end of the class, students will have completed short stories of their own.

—Marysa LaRoue

A great course for young writers with stories to tell

HALLOWED GROUND: AMERICAN SACRED SPACES

That makes one space sacred and another ordinary? Most people would consider a church, temple, or mosque to be a sacred space. But what about a war memorial or even a locker room? Those, too, are places where people participate in rituals that help give their lives meaning. Students in this religious studies course will consider how our understanding of “hallowed ground” shapes our understanding of our selves, our behavior, and the world around us. Students can expect to explore multiple religious sites in the Nashville area and to have frank and constructive conversations with community leaders to learn how different sacred spaces shape the lives of their inhabitants.

—Gerald Liu, Ph.D.

A great course for young scholars with an interest in history, sociology, and religious and intercultural studies

“The academic study of religion asks students to think critically and constructively about religion as a historical and cultural phenomenon. Our courses are nonsectarian, and our instructors do not proselytize.

STELLAR ASTRONOMY THROUGH DOCTOR WHO

The Doctor and his companions encounter all sorts of astronomical phenomena as they travel through space and time. We may not have a TARDIS in this course, but we will study the life cycle of stars and the remnants they leave behind (especially black holes) using currently available data and 8-inch telescopes. In addition to using astronomical tools and methods, students will design research questions, pursue verifiable answers, and share their findings in a culminating poster presentation. Familiarity with Doctor Who is not necessary, as episodes of this long-running series will merely raise questions that students will work to answer in class and independently. Sonic screwdriver not required.

—Erika Grundstrom, Ph.D.

A great course for celestial biographers (who know that bow ties are cool)
Session III Course Catalog

RISING 11TH AND 12TH GRADERS • JULY 6–25 • $3,250

(For students who will be entering 11th or 12th grade in fall 2014)

Qualifying scores based on grade in which student took test:

7th Grade
SAT—600 M or CR
ACT—20 M or R

8th Grade
SAT—550 M or CR
ACT—22 M or R

9th Grade
SAT—590 M or CR
ACT—25 M or R

10th Grade
SAT—630 M or CR
ACT—27 M or R

11th Grade
SAT—670 M or CR
ACT—29 M or R

If you have taken the PSAT, add a zero to get your SAT score.

Session III Course Titles

Literature and Consciousness
Thinking in Code
Medicine, Health, and Society
Med School 101
Special Topics in Math
Fibonacci Sequences
Crime and Punishment
Science of Filmmaking
American Legal System
Post-Apocalyptic Fiction
Meaning and Hope in a Secular Age
Planets in Our Universe

Designed especially for our older students, VSA Session III models itself on The Ingram Commons, Vanderbilt’s new concept of campus living designed to create community, develop responsibility, and foster the growth of each individual. To promote these goals, students in Session III have more free time and greater discretion in how to use it. After the first week, you will have the option to sign out and go off campus to nearby Hillsboro Village. You’ll be able to sign up for weekly workshops and seminars on a range of topics, which could include anything from bioethics to the latest cultural phenomena. You’ll also have plenty of time to hang out in The Commons Center, engaging in discussions or just enjoying a cup of espresso and a game of Foosball with your fellow VSA students.

Weekends feature dances, group outings, inter-house competitions, talent shows, and much more. On Sunday mornings, you’ll have the option of attending religious services or sleeping until 11:00 a.m. Sunday afternoons and evenings are set aside for doing laundry, catching up on class readings, or enjoying a variety of informal activities or small-group outings designed to relax and prepare you for the week ahead.

A DAY IN THE LIFE OF
VANDERBILT SUMMER ACADEMY SESSION III**

Weekday Schedule

8:00 – 8:45 a.m. Breakfast
9:00 a.m. – Noon Class
Noon – 1:00 p.m. Lunch
1:00 – 3:00 p.m. Class
3:00 – 4:00 p.m. Study Hall
4:15 – 5:15 p.m. Artic Class
5:15 – 6:00 p.m. Free Time
6:00 – 6:50 p.m. Dinner
7:00 – 9:30 p.m. Free Time (Men – Thurs.) and/or VSA-sponsored seminars, activities, and outings
9:30 – 10:30 p.m. Proctor Meeting and Free Time on Hall
10:30 p.m. Room Curfew*
11:00 p.m. All Quiet*

* Late Curfew/All Quiet on weekends

** Subject to change

CHOOSING AND APPLYING TO YOUR SESSION III COURSE

All Session III courses are filled first-come, first-served, based on eligibility. However, in some instances, VSA may make minor adjustments to balance course enrollments. As you read through the course listings on the following pages, you’ll see that certain courses have prerequisites and/or require supplemental application materials. For example, students applying to Med School 101 must submit an official transcript along with two letters of recommendation. Students applying to a math or science course may also be asked to submit an official transcript so that instructors can determine students’ levels of exposure to the subject area. Some courses will not require any additional application materials. Again, see course listings for details.

All applicants must submit the completed application form and two essays.

COLLEGE PREPARATION

Many of our Session III students are thinking about the prospect of applying to college. Because this prospect can be extremely daunting, Vanderbilt Summer Academy provides a range of opportunities to aid you as you prepare for your journey. You will have the opportunity to participate in a mock admissions committee led by counselors from Vanderbilt’s Office of Undergraduate Admissions. These sessions aim to demystify college admissions procedures, preparing you to approach the process with confidence. You’ll learn what admissions professionals look for upon first readings of applications; how essays, grades, recommendations, and test scores figure into the admissions equation; and how admissions offices go about crafting an incoming class.

We want to help you learn what it takes to be successful in a university setting. We will provide opportunities for you to hear from current Vanderbilt undergraduates about the realities of college life. Your proctors will discuss topics such as the pinnacle and pitfalls of the first year; how to handle academic stress, and basic principles of good time management and self-responsibility.

In addition to formally organized sessions, you will have many opportunities to get the real truth about college life from your VSA proctors, most of whom are current Vanderbilt students. They are excellent sources of first-hand information for you, and they will provide you with thoughtful commentary and discussion on many aspects of the college experience.

Your exceptional academic abilities will afford you numerous options. At VSA, we want to help you cultivate the habits of mind that will lead you to success in whatever choice you make about college and your future.

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VSA III Courses

LITERATURE AND CONSCIOUSNESS

The way we understand consciousness can tell us a lot about our ability to understand and empathize with literary characters. This interdisciplinary course draws from philosophy and literary theory to examine works of fiction and, ultimately, to learn something about ourselves as thinking, perceiving, and conscious individuals.

—David Kandler

A great course for the introspective book lover and budding philosopher

THINKING IN CODE: JAVA IN COMPUTER SCIENCE

Computer science is more than just syntax rules and coding exercises. It’s creation and imagination! In this course, you will begin to think like a computer scientist by immersing yourselves in Java, one of the most widely used programming languages today. You will not only learn the fundamental principles of object-oriented design, but also become conversant in Java’s multiple utility classes, the Executor API (Application Program Interface), and more. No experience necessary. Just bring a big imagination, a love for fresh challenges, and an unquenchable drive to innovate.

—Krzysztof Zienakiewicz

Prerequisite: Algebra 2. Additional Application Materials: Transcript

A great course for creative techies and computer whisperers

MEDICINE, HEALTH, AND SOCIETY

Explore the multi-dimensional world of medical anthropology. Learn how disease, health, and healing are culturally constructed. Students will learn how culture can influence the diagnosis and treatment of disease as well as the formulation of ideas about the human body. We will begin our journey into medicine, health, and society by examining the differences between Western biomedical and non-Western ethnomedicine, using case studies from various cultures in Latin America, Asia, and Africa. Students will participate in projects specifically designed to emphasize newly learned concepts and the cultural differences in medical systems.

—Monte Hendrickson, Ph.D. candidate (expected May 2014)

A great course for future anthropologists interested in medicine and future doctors interested in anthropology

MED SCHOOL 101

Vanderbilt University Medical Center (VUMC) is one of the top hospitals in the country, so it is no surprise that the School of Medicine is at the forefront when it comes to technology and teaching too. Taught by a team of medical students, this course will use small group discussions, faculty lectures, lab exercises, and the latest resources and technologies from the Vanderbilt University School of Medicine to learn about the practice, ethics, and social impact of modern medicine. Students will work with many of the same computer and other virtual medical simulations as Vanderbilt medical students do, and they will use Problem Based Learning to analyze and diagnose real medical case studies. Please note that VUMC insurance and safety regulations state that students must be 16 years old by July 7 to participate. Programs for Talented Youth has no say in this policy.

Prerequisite: Chemistry and Biology. Applications must also include transcripts and two letters of recommendation, which can be found on the courses page at pty.vanderbilt.edu/vsa.

A great course for students who want to learn about what it means—practically and ethically—to be a doctor today

SPECIAL TOPICS IN MATH

This course offers a unique opportunity for highly motivated students to expand their knowledge and comprehension of math. Students will push the limits of their understanding through whole-group discussion, as well as independent work. Students will leave this class with a sampling of higher-level topics, a deep understanding of the math they have already learned, and an increased awareness of how math is used in the world today.

—Dawson Gray

Prerequisite: Algebra I, Geometry, and Algebra II. Supplemental Application Materials: Transcript

A great course for confident mathematicians looking for their next big challenge

OVER AND OVER AGAIN: THE FIBONACCI SEQUENCE

Originating in the thirteenth century (or even earlier), the Fibonacci sequence (0, 1, 1, 2, 3, 5, . . .) is one of the most ancient and prevalent of mathematical sequences (some even say Fibonacci sequences can be found all throughout nature). In this course, we’ll use the Fibonacci sequence as a launching pad to study sequences, finite and infinite series, recursive functions and iterative processes. The course will emphasize challenging and non-standard problems, collaborative problem solving, and the effective communication of mathematical ideas.

—Jason Brasel

A great course for lovers of order, ubiquity, and thirteenth-century mathematicians

CRIME AND PUNISHMENT IN U.S. HISTORY

Attitudes about criminal behavior have changed since the Puritans first put people in the stocks for shipping church and “corrupt” language. Students in this course will follow shifting patterns of crime, violence, and punishment from the colonial period to the modern era. They will engage in archival research, lively discussions, and visits to prisons from the past and present as they work to understand how factors like age, gender, and race contributed to our modern understanding of criminals and their place in society.

—Erica Rhodes Hayden, Ph.D.

A great course for students interested equally in history and sociology

SPECIAL TOPICS IN ART

This course offers a unique opportunity for highly motivated students to expand their knowledge and comprehension of art. Students will push the limits of their understanding through whole-group discussion, as well as independent work. Students will leave this class with a sampling of higher-level topics, a deep understanding of the art they have already learned, and an increased awareness of how art is used in the world today.

—Dawson Gray

Prerequisite: Art 101. Additional Application Materials: Transcript

A great course for confident artists looking for their next big challenge

THE AMERICAN LEGAL SYSTEM: GOVERNMENT, SELF, AND SOCIETY

This course will allow students to study and discuss the complex relationships among government, society, and individuals. Students will consider founding principles of the American legal system and how those principles play out in modern society. Students will also examine landmark Supreme Court cases that have shaped interaction between the individual and the state. In addition to studying the philosophical underpinnings of Constitutional and criminal law, students will gain practical experience in how to read legal documents, write briefs, and argue a case. We will also have the opportunity for several field trips around Nashville to witness legal proceedings in action.

—TFD

A great course for future lawyers, politicians, and political scientists

PLAGUES, PESTILENCE, AND POST-APOCALYPTIC FICTION

Western society has long been fascinated with devastating contagions and their aftermath. This course will look at ancient and modern accounts of pandemic illness, from the Plague of Athens up through recent worries about bird flu, as a way to think about the complex relationships among culture, history, and biology. We will focus on public health, mass hysteria, germ theory, and the genres of plague and post-apocalyptic literature, and explore the blurry boundaries between fictional and non-fictional accounts of

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—Krzysztof Zienakiewicz

A great course for creative techies and computer whisperers

—Monte Hendrickson, Ph.D. candidate (expected May 2014)

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—Krzysztof Zienakiewicz

“A great course for the introspective book lover and budding philosopher”

—David Kandler

“A great course for future mathematicians looking for their next big challenge”

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—TFD

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—David Kandler

“A great course for future anthropologists interested in medicine and future doctors interested in anthropology”

—Monte Hendrickson, Ph.D. candidate (expected May 2014)
human suffering. Students in this course should be prepared to have frank discussions about matters of life and death, and health and disease, including graphic depictions of their effects in print and pictures.

—Ben Galina

A great course for politically minded readers (who might spend their free time thinking about zombies)

MEANING AND HOPE IN A SECULAR AGE

The supernatural was as real for people “once upon a time” as the Internet and electricity are for us today. But now we live in what the philosopher Charles Taylor calls an age of “disenchantment.” Current norms require one to justify beliefs that were once widely accepted.

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PLANEts IN OUR UNIVERSE

Every year, scientists are discovering more new planets orbiting distant stars. (Could the discovery of alien life be all that far behind?) In this course, we will use physics and our own solar system to generate models for studying extrasolar planets. Armed with astrophysics, publicly available data, and the power of statistics, we will embark on a quest to better understand our planet-filled universe. By session’s end, students will pose research questions, design studies, and create a scientific poster presentation on their findings, contributing their voices to the global, astronomical dialogue.

—Erika Grandstrom, Ph.D.

A great course for archeologists of the nighttime sky

—Gerald Liu, Ph.D.

A great course for budding philosophers, social critics, and contemplative historians

The academic study of religion asks students to think critically and constructively about religion as a historical and cultural phenomenon. Our courses are nonsectarian, and our instructors do not proselytize.

VANDERBILT SUMMER ACADEMY 2014 • SESSION III

Rachel Aaron is a doctoral student in clinical psychology at Vanderbilt, studying schizophrenia. Her main research interests are in empathy: understanding its neural basis and how it develops differently in different clinical populations. Her clinical experience is with juvenile offenders and people suffering from chronic health conditions. Rachel received her B.A. in psychology from UNC-Chapel Hill and an M.A. in psychology from Vanderbilt. She fondly recalls her own summer learning experiences in high school and is excited to be a part of the VSA students’ academic and intellectual development.

Holly Algood is an assistant professor of medicine and of pathobiology, microbiology, and immunology at Vanderbilt University School of Medicine. Her lab researches the body’s immune response to bacteria which can chronically infect humans including Helicobacter pylori, a pathogen which can lead to peptic ulcers and gastric cancer, and Mycobacterium tuberculosis, a pathogen which compromises lung function. Her long-term research interests involve understanding the interactions among disease-causing pathogens, the immune system’s historical normal microbes found inside the human body. Algood received her Ph.D. from the University of Pittsburgh in 2003, and her research has appeared in the Journal of Immunology and the Journal of Biological Chemistry.

Brittany Allison is in her second year with Vanderbilt Programs for Talented Youth. After graduating from Xavier University of Louisiana with a major in chemistry and a minor in biology, she chose to pursue a doctorate in chemistry. Currently a doctoral candidate at Vanderbilt University, Brittany studies protein modeling and the design of proteins to bind small molecules. Brittany intends to pursue a career that focuses on teaching and mentoring students. With the right tools and instruction, anyone and everyone can be interested in science.

Lewis Baker is a doctoral student in cognitive neuroscience in the Department of Psychology and Human Development. His research examines our ability to perceive, attend to, and remember everyday events. There are only so many things we can pay attention to at any given point and time. Why do we naturally attend to some things and not others? Lewis graduated from Loyola University New Orleans. He has practical experience in acting, directing, and film, which he uses frequently in his research. He is a graduate research fellow of the National Science Foundation.

Jason Brasel is a native Californian and recent Nashville transplant. He studied mathematics at the University of California, Berkeley, and taught high school mathematics for six years in his home town of Sacramento. He is now a second-year doctoral student at Peabody College of Education and Human Development at Vanderbilt University studying mathematics education with a focus on teacher education and development. In his free time, he enjoys hanging out with his wife and riding and racing bicycles.

John English is a senior lecturer in communication studies at Vanderbilt University. He is a nationally recognized communication consultant and motivational speaker who specializes in executive presentation skills, sales training, speech writing, and marketing communications. He has received the Harriet S. Gilliam Award for Excellence in Teaching and was recognized by the International Churchill Society for his outstanding class on “The Visionary Rhetoric of Sir Winston Churchill.”

Jennifer A. Gaddy is a microbiologist at Vanderbilt University. Her research focuses on how bacterial pathogens modulate virulence and survive the stress imposed by high or low metal concentrations within a vertebrate host. Gaddy uses high resolution imaging techniques such as electron microscopy and confocal laser scanning microscopy to visualize host-pathogen interactions; her mantra is “a picture is worth a thousand words.” In her spare time, Gaddy likes to read fiction about dystopian future civilizations and prepare for the impending zombie apocalypse.

Ben Galina is a doctoral student in the Department of Spanish and Portuguese at Vanderbilt University, where he is currently conducting research for a dissertation that examines the representational politics of HIV/AIDS in Latin American literature. He holds an M.A. from Vanderbilt in Spanish and a B.A. from Grinnell College, also in Spanish, with a concentration in Latin American studies. In his free time, he enjoys running, reading feminist blogs, and baking vegan sweets.

Vanderbilt Summer Academy Faculty
Zachary Gaslowitz is a first year doctoral student in mathematics at Vanderbilt. He did his undergraduate work at the fantastic Harvey Mudd College in sunny Southern California. His research focuses on discrete mathematics, and especially combinatorics, since high school, and loves nothing more than sharing its beauty with passersby. Indeed, he is quite interested in math education in all forms! Apart from academics, he enjoys juggling, climbing trees, and making beautiful lampwork glass sculptures.

Dawson Gray is in his tenth year with Vanderbilt Programs for Talented Youth. After graduating from Vanderbilt University with a double major in piano performance and mathematics, Gray completed a master’s degree in education at Peabody College of Education and Human Development at Vanderbilt, where his major focus was secondary education with an emphasis on math. He currently teaches at Battle Ground Academy in Franklin, Tennessee, where he teaches calculus, statistics, and geometry, and he also coaches bowling and assists with the baseball team.

Erika Grundstein is a research assistant professor and director of astronomy labs in the Department of Physics and Astronomy at Vanderbilt University and holds an M.A. in sociology. She is a doctoral candidate in the Department of Anthropology at Vanderbilt University, and her dissertation examines the experiences of American history, particularly women’s history of Chinese martial history and thought, and is the author, most recently, of Chinese Martial Arts: From Antiquity to the Twenty-First Century (2012). His earlier books include War, Politics and Society in Early Modern China, 900–1795 (2005) and The Chinese Military Revolution: From Gonpou to the Boxer (2000). Hendrickson specializes in the bioarchaeological analysis of skeletal and mummified human remains. He currently splits time between Fordham University and Trevecca Nazarene University. His current research focuses on assessing the impacts of the berry affects the berry.

Kevin Kumor is a graduate student and a master of fine arts candidate in creative writing. He is a graduate of Belmont University in Nashville, Tennessee, where he received a B.A. in religious studies. David’s academic interests include literary theory, modern British and American literature, cultural criticism, and the relationship between the political and the aesthetic. He is currently working on a novel, tentatively titled These Are The Good Moments, as well as a collection of short stories. David’s teaching experience includes courses taught at the University of Alabama, as well as work with Vanderbilt Programs for Talented Youth. At Vanderbilt, he has taught interdisciplinary courses on pastry and society, Star Wars and mythology, and the relationship between consciousness and the study of literature.

Mayra LaRove is a third-year fiction writer in the Master of Fine Arts program in creative writing. She grew up outside Chicago and studied journalism at Boston University before completing her bachelor of arts in English and creative writing at the University of Wisconsin–Madison. Mayra has worked as a school social worker as well as a health benefits counselor and has also taught creative writing in a Wisconsin men’s prison. Her work has appeared or is forthcoming in Southerly Review, Matchbook, Wiscounse People and Ideas, and Valley Press Fiction Review. She is a fiction editor of Nashville Review.

An ordained United Methodist elder with a doctorate from the Graduate Department of Biblical Literature at Vanderbilt University and C. Liu has extensive experience teaching undergraduates and graduate students in the history, meaning, and teaching of Christian practices. He currently splits time between Louisville, Kentucky, and Nashville, Tennessee. In Louisville, he teaches as a visiting professor of worship and consultant for worship diversity at Louisville Presbyterian Theological Seminary. In Nashville, he teaches in the schools of religion at Belmont University and Trevecca Nazarene University. His research explores the interplay between music and theology, and convergences among preaching, worship, and Asian American experiences.

Peter Long is an assistant professor of Chinese and military history at Vanderbilt University. He specializes in tenth- and eleventh-century Chinese military history and thought, and is the author, most recently, of Chinese Martial Arts: From Antiquity to the Twenty-First Century (2012). His earlier books include War, Politics and Society in Early Modern China, 900–1795 (2005) and The Chinese Military Revolution: From Gonpou to the Boxer (2000). Hendrickson specializes in the bioarchaeological analysis of skeletal and mummified human remains. He currently splits time between Fordham University and Trevecca Nazarene University. His current research focuses on assessing the impacts of the berry affects the berry.

Monte Hendrickson is a doctoral candidate in the Department of Anthropology at Vanderbilt University and holds an M.A. in sociology. Over the last two years, she conducted sixteen months of field work in the Brazilian Amazon examining the paradox of “sustainable consumption” of internationally exported, environmentally friendly forest products.

Her research specifically addresses children’s labor contributions in the production of the highly popular Amazon berry, açaí, and how increasing global demand for the berry affects children’s health, education, and well-being in the communities of Curralinho and Gurupá, Pará. Monte has taught cultural anthropology courses at Sewanee: The University of the South, and various courses over the last four years for Vanderbilt Programs for Talented Youth.

In her work for the school, he partners with faculty and hospital professionals to transition, develop, and deploy traditional classroom materials and methods online. He supports a wide variety of online education initiatives with instructional, graphic, and multimedia design. Nathan is particularly interested in the use of digital storytelling. Before working at JHU, Nathan was a classroom teacher in Washington, D.C. This will be his seventh year teaching at VSA.

Rosie Seagraves completed her doctorate in Hispanic literature, specializing in early modern Spanish and Portuguese. She has taught Spanish for five years, worked as a camp counselor at Georgia’s Camp Chai, and studied middle and elementary schools in Mexico. She has taught Introduction to Hispanic Literature at Vanderbilt and published seven articles on literary narrative in academic journals.

Lauren Palladino is a doctoral candidate in the Department of Physics and Astronomy at Vanderbilt University studying stellar dynamics in the Milky Way, with a special focus on kinematically peculiar stars, and will defend her dissertation during summer 2014. Her article discussing her discovery of a new class of hypervelocity stars will appear in the Astrophysical Journal in late 2013. She shares her love for astronomy, and all sciences, by volunteering at Dyer Observatory and spends one day each week in Metro Nashville Public Schools as a Science Teaching Fellow in the Student in the Classroom Partnership.

Chris Paris serves as a lecturer at Vanderbilt Divinity School where he teaches courses on biblical literature, the Bible and popular culture, and leadership in the Bible. Chris has a doctorate in religion from Vanderbilt University. His studies focused on the Hebrew Bible, the ancient Near East, and Jewish Studies. His research examines narrative criticism of the Bible. He especially enjoys studying the scripture’s influence on Western culture and is always on the lookout for biblical references in literature, movies, television shows, music, and comic books.

Nathan Poole is an instructional designer at the Johns Hopkins University School of Nursing.
Jacob Wilson has never taken a computer class in his life. In fact, he spent his college years at Vanderbilt working to become an English teacher, which is how he spends his falls, winters, and springs nowadays. That wasn’t the first step on his teaching journey, however—he spent six years as a technology coordinator with a small library of literature in his computer lab, teaching filmmaking and graphic design. He also instructed Vanderbilt education students teaching filmmaking and graphic design. He has a large library of literature in his computer lab, and he enjoys playing beach and indoor volleyball, going to the movies, and playing Candy Crush.

Krzysztof Zienkiewicz is a second-year doctoral student in computer science. He graduated with a B.S. in math and computer science from Vanderbilt in 2012. He has a passion for education and has been working as a teaching assistant for five years. He has been programming in various languages for almost a decade. Krzysztof also develops software as an independent contractor (specializing in Android applications and efficient concurrent systems) and recently started his own development company. In his spare time, he enjoys playing beach and indoor volleyball, going to the movies, and playing Candy Crush.

Common Questions from VSA Applicants

Where will I live?
Hank Ingram House on The Ingram Commons at Vanderbilt was opened in 2008. It has many fine amenities and a prime campus location. It is fully air-conditioned and has comfortable rooms and resident lounges on each floor.

Will I have a roommate?
Yes. All Hank Ingram rooms are double rooms. Two students (same gender) will be assigned to each room. Each floor of Hank Ingram House has four single-gender communal baths.

May I choose my own roommate?
No. VSA typically makes roommate assignments randomly.

May I bring a car to campus?
No.

May I bring a cell phone, iPod, or other electronic device?
Yes. However, we do have restrictions on the use of these devices, which we will ask you to abide by. The policy for use of electronics will be outlined in your student handbook.

Do I need a computer?
No. Students will have access to three computer labs, which will be accessible at certain hours of each weekday. Also, there are many public-use computers around campus. Some students do find that a computer is beneficial, but they are not required.

Will I do my own laundry?
Yes. Students attending Sessions II or III will do their own laundry. Laundry facilities are available in the residence hall. You should pack laundry supplies such as detergent, fabric softener, etc. If you’ve never done laundry, you might want to ask your parents for a crash course before you arrive at VSA!

How should I select my class?
We recommend that you choose your class based on what interests you. We encourage you to rank three to four classes, but be sure that any course you rank on your application is something you’d be willing to take and pay for. Once you are placed in a class you ranked, your deposit will be non-refundable. Apply early to have the best chance at your first choice!

Why do I take only one class?
We believe that, in order to develop facility in specific content areas, it is important for gifted students to be immersed in core content. Therefore, each VSA course is designed to be an accelerated, in-depth look at its respective content area.

Will I receive a grade or credit for my class?
No. VSA does not give grades or award credit. We want you to stretch your intellectual capacity without fear of failure. Your instructor will evaluate your progress, and you will receive a course evaluation report from your instructor after VSA. The report will detail your progress on a variety of factors and aims to give you a broad picture of your academic growth in the course.

What are proctors and what do they do?
Proctors are residential counselors. They are specially trained undergraduate students who will live in the residence hall with VSA students and will organize the residential recreational and social activities. Each student will be assigned to a proctor group. Your proctor is also available to answer any questions you have and to help you make the best of your VSA experience.

Will attending VSA help me get into Vanderbilt?
No. However, attending VSA will give you an inside look at Vanderbilt and will provide opportunities for you to learn more about the admissions process than you typically would get from a regular admissions visit.

“I loved meeting other motivated teenagers in a fun, unique environment.”
Common Questions from Parents

When are applications due?
Sessions II & III: March 28, 2014
Session I: April 25, 2014

Why are there different application dates for Sessions II and III and for Session I?
Session I is geared to 7th graders who have just participated in a talent search, such as Duke TIP. Since many of them do not learn their ACT or SAT scores until mid-to-late March, Session I applicants have a later application date.

Do I get my deposit back?
Deposits are refundable ONLY if a student is NOT placed in a class. Once we place a student in a class, deposits are non-refundable. Therefore, we highly recommend that students rank only those classes they are willing to take — and pay for.

Why does VSA use ACT/SAT scores to determine eligibility?
VSA specifically designs courses for gifted learners. Our instructors teach their courses at an accelerated pace and at a level of depth which research suggests works particularly well with gifted students. We use ACT/SAT scores as a measure in determining a student’s ability to succeed at this pace.

My child has not taken the ACT/SAT. Is there an alternative qualifying method?
Yes. In addition to ACT/SAT scores, we also offer a portfolio assessment option. Details of the portfolio option are outlined on our website. Please visit pty.vanderbilt.edu/portfolio_assessment to learn more.

Who will supervise VSA students in the residence hall?
The VSA residential staff consists of a house master who is a member of the year-round PTY professional staff along with two assistant house masters, office staff, and a team of 15 proctors who will live with their students on the residential floors. Additionally, the PTY director resides in the hall during the summer.

Will I get to meet my child’s instructor?
Yes, if you wish. Classroom open houses or optional parent/teacher conferences will be available to parents on check-out days.

May I visit my child during VSA?
Other than check-in and check-out days, we respectfully request that parents remain off campus while VSA is in session. However, during sessions that include weekends, we will allow families to check students out on Sunday mornings. See your child’s welcome packet for details.

Are all meals included?
Yes.

Can VSA accommodate dietary restrictions?
Usually, with adequate prior notice.

Should I send any spending money with my child?
Yes. We recommend about $30 per week for incidentals and occasional optional outings for ice cream or souvenirs from the VU bookstore.

I am applying for financial aid. Should I send the aid application along with my child’s application for admission?
Yes. Please send them together. We will make admission decisions independently of financial aid decisions, but for the sake of simplicity, we recommend that you send all materials at once.

How does VSA determine financial aid eligibility?
Eligibility for financial aid is strictly need based. Families must submit their most recent federal tax return and other documents along with the completed financial aid application in order to demonstrate need. Award amount will be included with student’s admission notice.

Does VSA award full scholarships?
No. All financial aid awards are partial.

Application Instructions and Timelines

SESSIONS II AND III
- MARCH 28, 2014
  ALL ADMISSION AND FINANCIAL AID APPLICATIONS DUE
- April 11, 2014
  Final tuition payment due for all admitted students. Failure to submit tuition by this date could result in forfeit of seat in class.
- May 9, 2014
  Last day to withdraw with partial refund.

SESSION I
- APRIL 25, 2014
  ALL ADMISSION AND FINANCIAL AID APPLICATIONS DUE
- May 9, 2014
  Final tuition payment due for all admitted students. Failure to submit tuition by this date could result in forfeit of seat in class.
- May 9, 2014
  Last day to withdraw with partial refund.

*Many classes will fill long before these posted deadlines. We strongly recommend that students submit applications as early as possible. Applications received after deadlines will be reviewed on a case-by-case basis ONLY if space remains available. If space is unavailable, late applicants will be placed on a waiting list and will be reviewed only if an opening arises.

Admission Notification
VSA will send admissions notifications via email on a rolling basis as applications are reviewed. Students will receive an acknowledgement email upon initial receipt of their applications. In most cases, students can expect an admissions notification within three weeks of their initial “application received” email. We will send email communication to all email addresses included on application.

Important Notice:
We date-stamp all applications upon receipt. Applications will be reviewed in the order received. Get your application in early in order to have the best chance at receiving your first-choice class.

Applications received prior to January 10, 2014, will be dated January 10, regardless of receipt date.

Applying Online:
Visit pty.vanderbilt.edu/vsa to access our online application. Online application available beginning January 2.

Financial Aid Requirements

- Financial Aid applications will be accepted in the order received. Complete financial aid application in order to receive need based financial aid. Financial Aid decisions are made independently of admission decisions.

- Application Fee of $35 (If applicable; not all courses offer a portfolio assessment option)
- Tuition Deposit: $300 (As a separate check or money order from application fee)
- Copy of ACT, SAT, or PSAT scores (First-time students only)

- Financial Aid awards are partial (If applicable)

- Supplemental Materials
  - Transcripts
  - Two Letters of Recommendation

- Financial Aid Form and supporting documents (If applicable)

- Notification within three weeks of their initial application

- Communication to all email addresses included on application

- Students will receive an acknowledgement email upon initial receipt of their applications

- Students can expect an admissions notification within three weeks of their initial “application received” email

- We will send email communication to all email addresses included on application

- IMPORTANT NOTICE:
  - We date-stamp all applications upon receipt.
  - Applications will be reviewed in the order received.
  - Get your application in early in order to have the best chance at receiving your first-choice class.
  - Applications received prior to January 10, 2014, will be dated January 10, regardless of receipt date.

- Students must submit the most recent federal tax return and other documents along with the completed financial aid application in order to demonstrate need.
- Award amount will be included with student’s admission notice.

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- Copy of ACT, SAT, or PSAT scores (First-time students only)

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- Supplemental Materials
  - Transcripts
  - Two Letters of Recommendation

- Financial Aid Form and supporting documents (If applicable)
CLASS PLACEMENT

Rank your class choices in order of preference, with 1 indicating your first choice. You may rank as many choices as interest you. We will make every effort to place you in your first choice. However, classes fill very quickly, and we will place you into your highest-ranked class based on seat availability at the time we review your application. Thus, rank only courses you are willing to take and pay for. Once you are placed in a class you ranked, your deposit is non-refundable.

All classes, including Med School 101, will be filled first-come, first-served, based on eligibility. However, in some instances, VSA may make adjustments to balance class enrollments. We strongly encourage students to submit applications as early as possible to have the best chance of placement in higher-ranked class choices.

Waiting lists will be maintained for applicants for whom all course choices are full; however, there is no guarantee that spots will open in a class. Deposit checks will be held, but not cashed, when students are placed on a waiting list. Deposit checks will be cashed upon the student’s placement in a class or returned if the student does not gain admission to the program.

REFUND POLICY

The $35 application fee will not be refunded for any reason. The $300 tuition deposit will not be refunded for any reason after a student is admitted to a ranked course choice. A student who withdraws from the program will receive a tuition refund (minus the tuition deposit) if VSA is notified before April 11, 2014, for Sessions II and III or May 9, 2014, for Session I. Students who withdraw between May 9, and May 23, 2014, may be eligible for a tuition refund (minus the tuition deposit) if VSA is notified before April 11, 2014, for Sessions II and III or May 9, 2014, for Session I. Students who withdraw between May 23, 2014, and June 25, 2014, may be eligible for up to a 50 percent refund (minus the deposit). After May 23, 2014, requests for refunds are not handled on a case-by-case basis.

FINANCIAL AID

Limited need-based financial aid is available. Families applying for financial aid must include copies of their most recent federal income tax return (1040, 1040A, 1040EZ) including any schedules, attachments, and W-2 forms. Financial aid decisions are made independently of admissions decisions. Award letters will be included in the student’s admissions packet. Financial aid awards are for partial tuition and are strictly need based.

REMINDER: Submit financial aid form with student’s admission application by the stated deadlines.

PAYMENT

All applicants must submit a non-refundable application fee of $35, payable by check or money order to Vanderbilt University-PtY. Submit a separate check/money order for the tuition deposit with applications. Deposits will be refunded only if the student is not admitted to the program.

Tuition balance may be paid by check, money order, or credit card. Credit card payments are subject to an administrative processing fee. Payroll deduction is available to Vanderbilt employees. To apply for payroll deduction, visit pty.vanderbilt.edu/vanderbilt_employees.

NOTE: Please make all checks/money orders payable to Vanderbilt University-PtY.

CONTACT INFORMATION

Primary Contact:

First

Last

Relationship to Student

Email Address

Secondary Contact:

First

Last

Relationship to Student

Email Address

We will send most VSA correspondence via email, including admission notices, to all email addresses you provide (student, primary and/or secondary contacts). Please ensure that email addresses are accurate and legible.

ADDITIONAL INFORMATION

T-shirt size (Adult sizes) □ Small □ Medium □ Large □ Extra large

How did you hear about Vanderbilt Summer Academy?

□ I am a referring student □ Catalog mailing □ Teacher □ School Counselor □ Web Search □ Postcard □ E-Newsletter □ Vanderbilt Publication □ Duke TIP □ Social Media □ Other: __________________________

2014 APPLICATIONS DUE—SESSIONS II & III: MARCH 28, SESSION I: APRIL 25

Session I: June 8–13, 2014 • Session II: June 15–27, 2014 • Session III: July 6–25, 2014

Send completed application to:

Vanderbilt Summer Academy Admissions
PMB 0506 • 230 Appleton Place • Nashville, TN 37203-5721
(615) 322-4261 • pty.vanderbilt.edu

Office Use Only:

Date rec’d: __________________________
App ck #: __________________________
Dep ck #: __________________________
App #: __________________________
Please rank your course choices in order of preference. Please note that classes are first-come, first-served. You may rank as many choices as interest you. We will place you in your highest ranked classes based on available openings. Rank only those classes that you are willing to take and pay for. Deposits are non-refundable once you are placed in a class you ranked.

Session I: June 8–13, 2014
- Parody and Wit
- Protein Therapeutics
- Theatre
- The Art of War
- Puzzles
- Reading Bones
- Hidden History of Slavery
- Combinatorics
- Moving Parts of Stories
- Writing Short Stories
- Anti-Sensation and Comic Book Heroes
- Astrobiology

Session II: June 15–27, 2014
- Heroes and Villains
- Nanotechnology
- Agents of Change
- Microbiology*
- Math and Music
- Reading Bones
- Hidden History of Slavery
- Abnormal Psychology
- Adaptation in Film
- Writing Short Stories
- Hollywood Ground
- Stellar Astronomy

Session III: July 6–25, 2014
- Literature and Consciousness
- Thinking in Code*
- Medicine, Health, and Society
- Med School 101*
- Special Topics in Math*
- Ethics
- Crime and Punishment
- Science of Filmmaking
- American Legal System
- Post-Apocalyptic Fiction
- Meaning and Hope in a Secular Age
- Planets in Our Universe

*These courses require additional application materials. See catalog course listings for details, or visit pty.vanderbilt.edu/vsa.

If applying for a math course, please provide the following information:
Math courses completed as of June 2014: [ ] Algebra 1 [ ] Algebra 2 [ ] Geometry [ ] Pre-Calculus [ ] Calculus [ ] Other

If applying for a science, math, or engineering course or Med School 101, please provide the following information:
High school science course(s) completed: [ ] Biology* [ ] Chemistry* [ ] Physics [ ] Other (*Required for Med School 101)
Math courses completed as of June 2014: [ ] Algebra 1 [ ] Algebra 2 [ ] Geometry [ ] Pre-Calculus [ ] Calculus [ ] Other

Documentation in the form of transcripts, grade report, or other record of current courses is required.

SCHOOL INFORMATION

School name
Mailing address
Guidance counselor/Gifted coordinator
Telephone

TESTING

Provide verification of your qualifying test scores; include photocopies of the applicable score report with this application.

PSAT Test Date [ ] Grade/Age when taken [ ] Math [ ] Critical Reading/Verbal

SAT Test Date [ ] Grade/Age when taken [ ] Math [ ] Critical Reading/Verbal

ACT Test Date [ ] Grade/Age when taken [ ] Math [ ] Critical Reading/Verbal

Please read, sign, and date the following certification. We certify that all statements and supporting documents submitted in the application process are truthful, accurate, and complete. We also agree that the intentional submission of false or misleading statements or supporting documents constitutes cause for denial of admission or dismissal from the program.

Signature of parent or legal guardian [ ] Date

Signature of applicant [ ] Date

Do not apply for this program if you will have to leave during the session for other events or activities.

VSA is committed to principles of equal opportunity and does not discriminate on the basis of race, ethnicity, religion, sexual orientation, gender, or gender identity.
Please use this form to apply for financial aid and submit it with the admission application. We will use this information to determine your eligibility for financial aid and the amount of aid to be awarded. Please type or print.

- Financial aid awards are strictly need based on a first-come, first-served basis. Apply early. Please note that we do not provide full funding.

- Applications cannot be processed until we have the completed financial aid application with all appropriate tax information, as well as the $35 application fee.

- Submit this form, your tax information, and the application fee, along with your program application.

### Applicant Information

**Applicant’s name**

<table>
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<tr>
<th>Last</th>
<th>First</th>
<th>Middle</th>
</tr>
</thead>
</table>

**Mailing address**

<table>
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<tr>
<th>Number and street, box, or route</th>
<th>City, State, ZIP</th>
</tr>
</thead>
</table>

**Home telephone**

(       ) _________________________________________

**Cell**

(       ) _________________________________________

### Household Information

**Guardian/Mother’s name**

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<tr>
<th>Occupation</th>
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</thead>
</table>

**Daytime telephone**

(       )

**Employer name**

### Household Income Information

Do you or any people living in the student’s main household (grandparents, other relatives, friends, etc.) receive:

- Child support payments?
  - Yes
  - No
  - If yes, $ ______/month

- Social Security payments?
  - Yes
  - No
  - If yes, $ ______/month

- SSD payments?
  - Yes
  - No
  - If yes, $ ______/month

- Welfare, or any other public assistance?
  - Yes
  - No
  - If yes, $ ______/month

- Does applicant receive free lunches at school?
  - Yes
  - No

### House and Hold Information

List the names of all people living in the applicant’s main household, related or not, such as grandparents, other relatives, friends.

<table>
<thead>
<tr>
<th>Name and relationship to the applicant</th>
<th>Age</th>
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<th>Name and relationship to the applicant</th>
<th>Age</th>
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</table>

I hereby certify that the words and ideas above are my own.

**Signature**

---

**Vanderbilt Summer Academy**

F A N C I A L  A I D  A P P L I C A T I O N

Student’s name

Please write an original response to one of the following in 250 words or less:

- It has been said that something as small as the flutter of a butterfly’s wing can cause a typhoon halfway around the world. History is filled with such linchpins—small events or decisions that have huge effects on the future. Make your own change somewhere in history, and show us the effects on the world.

- If you founded your own college or university, what topic of study would you make mandatory for all students to study, and why?

- Jean-Paul Sartre said “Hell is other people,” but Barbra Streisand sang “People who need people/Are the luckiest people in the world.” Which one is correct? Explain your answer.

I hereby certify that the words and ideas above are my own.

**Signature**

---

**Vanderbilt Summer Academy Admissions**

PMB 0506  •  230 Appleton Place  •  Nashville, TN 37203-5721

(615) 322-8261 • admiss.vanderbilt.edu
Housing, food, or other living allowances paid to members of the clergy, military, and others?
(Do not include Military Housing Privatization housing allowance)
☐ Yes ☐ No   If yes, $__________/month

Financial assistance from people who are not members of the household?
(Include expenses paid on your behalf)
☐ Yes ☐ No   If yes, $__________/month

Untaxed workers compensation, disability, retirement, or veterans’ benefits?
☐ Yes ☐ No   If yes, $__________/month

Any other income not listed above and not reported on your federal tax return?
☐ Yes ☐ No

If yes, list type of benefit(s) and amount(s) below:

___________________________________________________________________________________________

___________________________________________________________________________________________

A S S E T S  I N F O R M A T I O N

Current value of cash/savings/checking

Current value of stocks and investment accounts

Current value of your business(es) or farm(s)

Balance of associated loan(s)

Current value of other real estate owned

Balance of associated loan(s)

Current value of your home (if you own)

Balance of associated loan(s)

E X P E N S E S

Monthly rental payment if you rent your home

Monthly mortgage payment if you own your home

Annual child support/child support

Annual amount you pay out of pocket for family medical expenses not covered by insurance

Annual amount of out-of-pocket expense for tuition and fees

Travel expense to program

Number of children in college

Please explain any special circumstances that we should consider when awarding financial aid.

All financial aid applications must include a signed copy of your most recent federal income tax return or free lunch letter.

Include copies of all forms and schedules listed below that were included in your tax return, including:

W-2 Forms • Form 1040, 1040A, or 1040EZ • Form 4562 • Schedule A • Schedule C and/or F • Schedule D

If you are divorced, you are required to include tax forms for only the custodial parent.

If you are completing your financial aid application before you have completed your 2013 tax return, you may send a copy of your 2012 tax return and all applicable schedules and forms. Please also attach copies of your 2013 W-2 forms for all wage earners in the household. If you have not yet received a 2013 W2 form, you may substitute a copy of your 2013 year-end pay stub. If it includes 2013 year-end earnings information. If it does not, you may substitute a signed statement from your employer on company letterhead.

I certify that all statements, information, and attachments submitted with this form are truthful, accurate, and complete.

Signature of parent or legal guardian

Date

___________________________________________________________________________________________

___________________________________________________________________________________________


VANDERBILT CENTER FOR SCIENCE OUTREACH (CSO)
The Vanderbilt Center for Science Outreach is dedicated to enhancing scientific and technological literacy through the establishment of unique partnerships between university scientists, K–12 educators and students, and the local and global science community. CSO offers summer programs for students, including GAS (Girls And Science) and BEST (Boys Exploring Science and Technology). To learn more about CSO, visit scienceoutreach.org.

VANDERBILT PAVE
PAVE is a six-week summer course of study designed to strengthen the academic skills of students who are planning to enter a college engineering, pre-medical, science, or technology program. In addition to strengthening your background, PAVE can help you decide if a technology-based degree is really the field for you. Participants have the opportunity to improve skills in problem solving, technical writing, computer application, and laboratory work by performing experiments in the sciences, pre-med, and engineering disciplines. To learn more about PAVE, visit pave.vanderbilt.edu.

CAMPVANDY
CampVandy is a day camp for Vanderbilt and Nashville community children between the ages of 5 and 12. Campers experience a variety of sports activities and games with emphasis on fun and participation. Weekly highlights include swimming, career guest day, and club activities. To learn more about CampVandy, visit vanderbilt.edu/CampusRecreation/youth.

To learn more about CampVandy, visit vanderbilt.edu/CampusRecreation/youth.
The Sarratt Youth Art Institute offers opportunities for children from a variety of backgrounds to pursue their interest in art and to explore their creative abilities. SYAI offers three two-week sessions designed to give students time and experience with art forms, to allow them to be creative, and to encourage their math, reading, and science education through an arts-based curriculum. To learn more, visit vanderbilt.edu/sarratt/syai.

SPACE EXPLORATION SCIENCE CAMP, SPONSORED BY DYER OBSERVATORY

Space Exploration Science Camp offers hands-on learning adventures in astronomy and space exploration to varying levels of middle school students. Campers interact with astronomers and astrophysicists who are respected researchers and seasoned instructors, while building a model satellite, launching water rockets, and conducting solar observation and electromagnetic spectrum experiments. To learn more, visit the “Outreach Programs” page at dyer.vanderbilt.edu.

MORE SUMMER PROGRAMS AT VANDERBILT

vanderbilt.edu/engr/summer_programs

“In my experience, universities can play a role in encouraging and supporting the most talented young learners. And it is important that we do so—for their well-being and for our common future.”

Dean Camilla Benbow, an internationally recognized researcher of gifted and talented youth and co-director of the Study of Mathematically Precocious Youth, founded Vanderbilt Programs for Talented Youth (PTY) in 2000 as a summer residential academic program on the campus of Vanderbilt University.

Vanderbilt Programs for Talented Youth would like to thank the following individuals and programs of the Vanderbilt community for their support.

Richard McCarty, Provost and Vice Chancellor for Academic Affairs
Jeff Balser, M.D., Ph.D., Vice Chancellor for Health Affairs and Dean of the School of Medicine
Camilla Benbow, Dean of Peabody College of Education and Human Development
Douglas Christiansen, Vice Chancellor for Enrollment Management and Dean of Admissions
John Gaines, Director of Undergraduate Admissions
Carolyn Dever, Dean of the College of Arts and Science
Philippe Fauchet, Dean of the School of Engineering
Chris Guthrie, Dean of the Law School
Mark Wait, Dean of Blair School of Music
Frank Wcislo, Dean of The Ingram Commons
Louise Hanson, M.D., Director of the Student Health Center
Bonnie Miller, Senior Associate Dean for Health Sciences Education
Vanderbilt Institute of Nanoscale Science and Engineering (VINSE)
Street Theatre Company

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Vanderbilt Institute of Nanoscale Science and Engineering (VINSE)
Street Theatre Company
Vanderbilt University’s Programs for Talented Youth

Developing Talent in Gifted Students and Those Who Work with Them

Current and developing initiatives include:

• Vanderbilt Summer Academy, PTY’s flagship program, serving the needs of highly gifted rising eighth- through twelfth-grade students through a fast-paced academic enrichment program on the beautiful Vanderbilt University campus.

• Weekend Academy at Vanderbilt University (WAVU), an exciting two-day residential learning and social experience for gifted students currently in seventh through tenth grade.

• Saturday Academy at Vanderbilt for the Young (SAVY), weekend and summer academic classes for students in Kindergarten through sixth grade.

• Parent education groups and lectures.

• Professional development workshops for educators each fall, spring, and summer, including the Tennessee Employment Standard.

• Education/assessment and consultation.

• Research grants to support talent development.

If you are interested in learning more about new and growing programs, please contact us through our website at pty.vanderbilt.edu or email pty.peabody@vanderbilt.edu.

I welcome your young scholar to campus, and I trust that the opportunities for interaction with like academic peers and work with leading content experts will be an unforgettable and life-changing event for your gifted student.

Tamra Stambaugh, Ph.D., Executive Director, Programs for Talented Youth
Research Assistant Professor of Special Education

Join Our Mailing List

Even though you received this catalog, you may not be on our mailing list. To join, visit pty.vanderbilt.edu.

Like us at facebook.com/VanderbiltSummerAcademy.

Follow us on Twitter @VanderbiltPTY.