Your journey starts here...
The South Carolina Governor's School for Science & Mathematics is the Palmetto State's only two-year, public, residential high school dedicated to the advanced study of science, technology, engineering, and mathematics. GSSM also offers high caliber courses in economics as well as a strong compliment of humanities. At GSSM, you can be a scholar, a poet, an athlete, an engineer, a historian, or an economist or follow a path that is uniquely yours.

ARE YOU READY?

scgssm.org  scgssm  sc_gssm  scgssm  scgssmgovies
Follow your path

With challenging courses, world-class faculty, and unique programs designed to push even the most accomplished students to learn more, GSSM let’s you choose your path to success.

FOLLOW YOUR PASSIONS
We invite you to explore your favorite subjects in-depth through a variety of unique offerings including:

- Elective courses
- Expanded summer and year-round research opportunities
- International research experiences
- Focused January Interim trips and courses
- Independent study courses

Excited to explore classes like Computational Physics and Neuroscience? GSSM Core Courses unlock your access to advanced courses that start beyond the AP level.

PLANNING YOUR CLASSES FOR NEXT SEMESTER?
See a full list of required and suggested courses you should take prior to your junior year.

www.scgssm.org/admissions/residential-admissions
**BIOLOGY**
- AP Courses: AP Biology
- Above AP Courses: Advanced Genetics, Biological Evolution, Botany, Human Anatomy and Physiology, Introduction to Microbiology, Molecular Biology, Neuroscience, Vertebrate Biology

**CHEMISTRY**
- Molecular Spectroscopy, Principles of Chemistry
- AP Courses: AP Chemistry
- Above AP Courses: Analytical Chemistry, Computational Chemistry, Introduction to Organic and Biochemistry

**COMPUTER SCIENCE**
- AP Courses: AP Computer Science A

**ENGINEERING**
- Applications of Engineering Design, Biomedical Engineering, Electronics, Mechanical and Aerospace Engineering, Product Design, SolidWorks
- Dual Credit Courses: Matlab Programming

**ENGLISH**
- African American Literature, Introduction to Creative Writing: Fiction and Poetry, Introduction to Creative Writing: Poetry, Introduction to Film, Introduction to Philosophy, Shakespeare’s Plays, Studies in Creative Writing: Fiction, Studies in Creative Writing: Nonfiction, Studies in Dramatic Literature, Topics in Science Fiction: Literature
- AP Courses: AP English Language, AP English Literature

**FOREIGN LANGUAGE AND SIGN LANGUAGE**
- American Sign Language (Year 1 and 2), French (Years 1, 2, 3, and 4), German (Years 1 and 2), Spanish (Years 2, 3, and 4)
- AP Courses: AP French, AP German, AP Spanish, AP French, AP German

**COMPUTER SCIENCE CONT.**
- Dual Credit Courses: Python for Scientist (2 semesters), C++ Applications (2 semesters)

**FOREIGN LANGUAGE AND SIGN LANGUAGE CONT.**
- Advanced Genetics, Biological Evolution, Botany, Human Anatomy and Physiology, Introduction to Microbiology, Molecular Biology, Neuroscience, Vertebrate Biology

**ENGINEERING**
- Applications of Engineering Design, Biomedical Engineering, Electronics, Mechanical and Aerospace Engineering, Product Design, SolidWorks
- Dual Credit Courses: Matlab Programming

**ENGLISH**
- African American Literature, Introduction to Creative Writing: Fiction and Poetry, Introduction to Creative Writing: Poetry, Introduction to Film, Introduction to Philosophy, Shakespeare’s Plays, Studies in Creative Writing: Fiction, Studies in Creative Writing: Nonfiction, Studies in Dramatic Literature, Topics in Science Fiction: Literature
- AP Courses: AP English Language, AP English Literature

**GOVERNMENT, ECONOMICS, AND FINANCE**
- AP Courses: AP Comparative Governments, AP US Government
- Dual Credit Courses: Macroeconomics (1 semester), Microeconomics (1 semester)

**HISTORY**
- Colonial America, Medieval History, Native American Studies
- AP Courses: US History

**MUSIC**
- AP Courses: AP Music Theory

**PHYSICS**
- Fluids Thermo and Optics, Fundamentals of Physics
- AP Courses: AP Physics 1, AP Physics C: Electricity and Magnetism, AP Physics C: Mechanics
- Above AP Courses: Modern Physics

**PSYCHOLOGY**
- AP Courses: AP Psychology

**MATHEMATICS**
- Concepts for Calculus, Essentials for Calculus, Foundations for Calculus, Honors Calculus
- AP Courses: AP Calculus AB, AP Calculus BC, AP Statistics
- Above AP Courses: Abstract Algebra, Discrete Structures, Linear Algebra, Multivariable Calculus, Number Theory, Ordinary Differential Equations
Guided by the best faculty

Our faculty is here to help guide you through your GSSM Journey.

Our 29 full-time Residential and 12 Accelerate Engineering faculty are experts in their fields as well as in their classroom. They’re passionate about their areas of expertise and will challenge you to think independently, critically, and beyond the confines of the traditional classroom. They’re here to support you through your GSSM Journey and inspire you to learn more than you ever thought possible.

About 90% of GSSM faculty hold a doctorate in their field of expertise.

RECENT INDEPENDENT STUDY COURSES

Web Development
Physical and Mental Disabilities in Literature
Dutch Independent Study
Pediatric Oncology
Linguistics
Historical and Biological Study of Disease
Complex Variables with Applications
Quantum Mechanics
Quantum Physics
Photograph 51: Integrating Theatre and the History of Biology

“Like many of our faculty, I never thought I would end up teaching at a high school. But I’ve found this specialized residential teaching experience so unbelievably satisfying that I count myself fortunate to work at GSSM. The students are the motivation, as they are hard-working and high-achieving young people who are enthusiastic and passionate about their learning. It is wonderful to see the students grow, realize their passion and potential, and then go on to even greater success in college and their lives.”

DR. MARK GODWIN  Physics Instructor
“At GSSM, I have the privilege of teaching college level material to incredibly bright high school students who truly want to learn. GSSM is a unique school where all students are eager to learn, even if the material in a particular class is not their passion. My favorite part of teaching at GSSM is starting with a student who does not like math (mostly due to their previous experiences) and ending the year with a student who truly likes math or, at the very least, understands its importance and no longer fears it.”

MRS. JENNY SALAZAR   Mathematics Instructor
Start your research journey

Get your first taste of real-world research through GSSM’s top-notch research programs.

Only at GSSM do all students engage in research under the mentorship of professional researchers in universities, government institutions, and businesses across the South Carolina, the USA, and the world.

You will spend the summer between your junior and senior years exploring research methods, meeting members of the global community of researchers, and challenging yourself like never before - while tackling problems that make a difference.

WANT TO TAKE YOUR RESEARCH JOURNEY FURTHER?

You will present your research at GSSM’s Annual Research Colloquium and South Carolina Junior Academy of Science statewide research competition. You may also have the opportunity to present your work at a professional conference or enter it into other competitions.

If you are interested in taking your experience further, our Director of Research & Inquiry can help you find the right path for your research journey at GSSM.
“I got to work with a diverse group of people who had a lot to teach me about their area of research and I got what essentially amounts to work experience in a 9-5 job.

I also got an understanding of the research process that goes beyond what can be taught in a school class.”

RICHARD SANDVOSS
GSSM Class of 2019
Explore your passions with GSSM

Sometimes coming back from winter break can be a shock to your system!

That’s why GSSM offers January Interim, a three-week course designed to ease you back into school work and give you a chance to explore subjects you only dreamed you could study in high school. Pick a course/trip and get ready for a journey you’ll never forget. All interim courses/trips are credit carrying.
RECENT INTERIM COURSES
Mental Health through Pop Culture: Psychology of Adrian Monk
Computer Automation and AI with Python
Chess
Project GSSM: The Art and Science of Fashion
GSSM Makerspace
Bermuda High Soaring School Gliding Introductory Course
The Mechanics of Litigation
Never Been Done
Equine Science and Horsemanship
The Cooking Lab
Professional Sports in the Interim
Music
Art in the Interim
American Sign Language
Introduction to Filmmaking

RECENT INTERIM TRIPS
Portugal and Spain
Splendors of the Mediterranean
Costa Rica Conservation Expedition
Peru: Culture, History and Biodiversity
Culture, Industry, and University Education in Northwestern Europe
Highlights along the journey

ACADEMICS

50+ STEM courses offered annually
20 Advanced Placement courses
16 Average class size for core courses
8 Average class size for higher electives

ATHLETICS

16 Varsity Sports
70% Participation

VARSITY TEAMS
Boys and Girls Basketball
Boys and Girls Cross Country
Boys and Girls Golf
Boys and Girls Soccer
Boys and Girls Swimming
Boys and Girls Tennis
Boys and Girls Track
Cheer Team
Girls Volleyball

INTRAMURAL SPORTS
Basketball
Beach Volleyball
Dodgeball
Flag Football
Soccer
Ultimate Frisbee

CLASSES
Dance
Fitness

“Our community and our school takes pride in diversity—you could even say it’s in our DNA. We all come here from different parts of the state and some of us the world, under the unified goal of placing ourselves in an environment which will strengthen our academic skills. Along the way, this one goal, which unifies us all, is a really beautiful thing. You begin to notice that GSSM isn’t just a school for the academically talented, it’s an environment that encourages innovation and collaboration among individuals.”

WILL BILLBROUGH Class of 2018

“The GSSM journey impacts more than just the student, it impacts the family. For us, it began with my son’s desire to be a part of an educational environment which would ultimately become his family in more ways than one. As he left the familiarity of his home and community, we were excited, yet left without his presence, laughter, and dirty laundry. While holding back tears and experiencing gut wrenching pain, I stood beside my 16-year-old son and supported him as he walked out of my doors into one of the most illustrious experiences that he will ever have in life. I will never regret letting him soar.”

KATHY BOOKER Mother of Jackie Booker, GSSM Class of 2018
STUDENT ACTIVITIES
Around 50 Clubs & Organizations including:
- 4-H
- Art
- Beta Club
- FBLA
- French Club
- Glee Club
- HOSA
- Key Club
- Math Team
- Microgravity Club
- Model UN
- Mosaic
- National Honor Society
- Outing Club
- Photography
- Robotics
- Speech & Debate
- Student Council
- Tabletop Club
- Youth in Government

Around the world
- 100% Attend college
- 77% Work in STEM fields
- 70% Pursue advanced degrees
- 65% Enroll in SC colleges and universities

ALUMNI CAREERS
- Business/Finance: 12%
- Tech/Engineering/Innovation: 27%
- Law: 4%
- Medicine: 17%
- Research/Field Science: 12%
- Education: 13%
- Non-Profit/Foundation: 5%
- Government: 4%
- Other: 6%
Live the Journey

Pack your laundry detergent, pillowcases, and toothbrush, and get ready to embark on your journey!

GSSM is a residential school, so you’ll live in a residence hall. You’ll have a roommate and suitemates, get to decorate your room, and do laundry down the hall—just like a college student.

Each residential room at GSSM comes equipped with:
- two XL twin beds that can be bunks
- two two-shelf bookcases
- two three-drawer chests
- two desks
- two desk chairs
BETTER BE... GRYFFINDOR!

GSSM's residence halls operate on a House System, meaning you'll be sorted into Fidelitas, Fortem, Libertatem, Lux, Praesidium, or Veritas (depending on your assigned floor). The House System helps instill a sense of belonging and promotes school spirit through friendly competition.

There are regularly scheduled long weekends when you can go home, relax, and reconnect with friends and family.

GET INVOLVED!

While at GSSM you're required to complete 50 hours of community engagement (but don't worry, you can always do more!). You'll help support the local community through shared responsibilities, including bus maintenance, assembly prep, and community service projects on and off campus.
Explore Hartsville

GSSM is located in scenic Hartsville, Darlington County's largest city, a 2016 All-American City honored by the National Civic League. Along with GSSM, Hartsville is home to Coker University and Sonoco Products Company.

GSSM RECOMMENDATIONS

Entertainment
1. AMC Classic Hartsville 2
   TIP Tickets are just $2.89
   118 W Carolina Ave
2. Center Theater
   212 N 5th St
3. Hartsville Museum
   222 N 5th St
4. YMCA
   TIP Govies get free membership!
   111 E Carolina Ave

Hotels
5. Fairfield Inn
   200 S 4th St
6. Hampton Inn & Suites
   203 E Carolina Ave
7. Mantissa Executive Suites and Spa
   130 E Carolina Ave

Other
8. Coker University
   TIP Govies can use the Coker Library
   300 E Carolina Ave

Dining & Snacks
9. Bow Thai Cuisine
   150 E Carolina Ave
10. Cookout
    626 S 5th St
11. Crema Coffee Bar
    136 W Carolina Ave
12. Golden Dragon II
    111 S 4th St
13. Groucho’s Deli
    146 E Carolina Ave
14. The Midnight Rooster
    136 East Carolina Ave
15. Pita Pit
    156 E Carolina Ave
16. Sonic
    328 N 5th St
17. Sophia’s Pizzeria
    128 E College Ave
18. Subway
    701 S 5th St

Shopping
19. Raised Down South
    154 W Carolina Ave
20. Goodwill
    903 S 4th St
21. Minnie’s Giftique
    142 E Carolina Ave
22. Walmart
    1150 S 4th St
23. Belk
    807 S 5th St
24. The Key
    106 E Carolina Ave

The Great Outdoors
25. Burry Park
    131 Cargill Way
26. Kalmia Gardens
    1624 W Carolina Ave
27. The Vista
    317 Railroad Ave
28. Prestwood Lake

For a full list of stores and locations, please visit www.scgssm.org/studentdiscounts

Student discounts are available in select stores by bringing in a student ID!
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21. Minnie’s Giftique
22. Walmart
23. Belk
24. The Key

The Great Outdoors
25. Burry Park
26. Kalmia Gardens
27. The Vista

Prestwood Lake
**Journey together**

The GSSM Journey brings together students from all over the state and globe. Together we enhance our community through wide-ranging social, cultural, and religious experiences. Through these experiences comes diversity of thought, which might be one of GSSM’s greatest strengths!

Our supportive environment is designed to create a learning experience out of every aspect of life. We strive for inclusive excellence in everything we do. It’s one of our core values.

Being in our 24/7 environment helps, of course, but so does the thirst for knowledge that our students all share.

We hear it all the time: **Friendships that start at GSSM last a lifetime.**

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**Where your path can take you next!**

While you’re at GSSM, the Office of College Counseling and Advising will help you determine where your path will take you next! During GSSM’s college fair, college planning seminars, and field trips, you’ll be introduced to representatives from a variety of colleges and universities.

Our students have gone on to attend schools across the nation and globe, including traditional colleges, liberal arts colleges, and specialized institutions.

If you have a passion for arts and humanities, explore the possibilities at the South Carolina Governor’s School for the Arts and Humanities located in Greenville, South Carolina.

Learn more at [www.scgsah.org](http://www.scgsah.org)
As I prepare to begin work on my PhD at Columbia University, having traveled a long way from home, I’m reminded that I did much the same thing six years ago, when I set out for Hartsville to begin a life-changing two years at GSSM. I had no idea what wondrous and fascinating roads GSSM would lead me down. So, my message to the Govies is this: Carpe Diem! Seize this day and find yourselves swept off to places of which you’ve scarcely dreamed.”

CARL GARRIS GSSM Class of 2013, GSSM Convocation Speaker, Fall 2017

Apply now

SO YOU’RE READY TO START YOUR GSSM JOURNEY?
We welcome South Carolina’s best and brightest students—like you—to apply to our one-of-a-kind program.

You must be a current resident of South Carolina, have completed at least 10.5 credits (including Algebra I & II, Geometry, English I & II, a social studies course, and a lab science course) prior to the end of the school year in which you apply, and demonstrate emotional and mental maturity.

You’ll need to submit an application, high school transcripts, essays, test scores, and teacher recommendations for consideration.

WHAT DOES THE GSSM EXPERIENCE COST?
GSSM is a state-supported residential high school; tuition and fees are paid by the state of South Carolina. The cost of a meal plan for the full academic year is $2,600, subsidized by the state. Students with documented financial need qualify for a full or partial waiver of the meal plan cost. A payment plan is available.

Apply online at www.scgssm.org
Start your journey virtually

GSSM has had exponential growth over the past few years—so much that we have expanded our online distance learning programs to extend GSSM opportunities to students throughout the state of South Carolina. Now, many students can earn college credits toward STEM degrees at their home high schools through our virtual programs.

VIRTUAL PROGRAMS

Accelerate your journey! GSSM’s Accelerate virtual engineering program is an innovative approach to developing the next generation of exemplary engineers. Designed for motivated 10th–12th grade students to earn the first year of college engineering credits while remaining in their home high schools, Accelerate provides a virtual classroom space of innovation with a unique and creative culture.

VIRTUAL INSTRUCTION

- Challenging, real-time classes
- Opportunity to earn up to 49 college credits
- Saturday team-building experiences
- Interactive labs on GSSM’s Hartsville campus
- Senior capstone projects

SUMMER & BEYOND

- Exploration of real-world engineering
- Summer camps and research opportunities
- Opportunity to participate in international academic competitions
- Development of leadership & communication skills
- Industry internship opportunity following graduation
TEAM UP is an application based high school engineering program that will introduce students to the disciplines of engineering, through gateway courses that enable students to learn fundamental problem solving skills, understand the engineering design process, acquire STEM content knowledge and help inform their decisions about college majors and professions. Courses will be primarily delivered via interactive video conferencing; however, some courses may be delivered in an asynchronous online format with a one hour per week synchronous webinar.

<table>
<thead>
<tr>
<th>SPECIALIZED CURRICULUM</th>
<th>BEYOND THE CLASSROOM</th>
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<tbody>
<tr>
<td>• Interdisciplinary courses</td>
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<td>• Survey courses in a variety of engineering disciplines</td>
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<td>• Live interactive videoconferencing and blended instruction</td>
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<td>• Senior Research and Design Project</td>
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<td>• Opportunity to earn up to 14 college credits</td>
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<td>• Networking and mentorship opportunities with engineering companies around the state</td>
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<td>• Unique summer short-term mini courses such as medical device design</td>
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<tr>
<td>• Longer-term summer projects to expose students to a variety of novel engineering practices and techniques</td>
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Jump-start your journey

The GSSM Center for Science Education & Outreach offers STEM educational experiences and opportunities for students during the school year and the summer. Check out what program is available for you! Visit www.scgssm.org/outreach for more detailed information about the Outreach Center programs.

OUTREACH SUMMER CAMPS

Join other academically motivated 8th – 10th grade students from across SC on the GSSM campus for a challenging summer STEM camp experience taught by GSSM faculty and visiting university professors. Each summer GoSciTech offers 4 weeks of more than 30 unique classes in science, technology, engineering, and mathematics. Our instructors emphasize hands-on laboratory work and include field trips in the courses they teach.

GoSciTech
GSSM's Science & Technology Summer Camp Experience

Participate with other academically motivated 6th – 8th grade students in this very hands-on and interactive camp that focuses on technology, electronics, coding, and programming microcontrollers and robots. Working in teams, you will create cool interactive objects and systems and compete in a variety of robotic challenges. This day camp is offered in partner districts across the state.

iTEAMS XTREME
Next Generation

Work with a talented team of your peers in grades 8th - 9th to create, test, and refine solutions to engineering design challenges. Participating in the camp’s engineering design challenges, you will build an understanding of what engineering is and what engineers do. This day camp experience is offered across SC in partner school districts.
OUTREACH SCHOOL YEAR OPPORTUNITIES

Visit GSSM and participate in a variety of interactive hands-on STEM experiences. Our STEM Days at GSSM are designed for students in grades 3-8. The experiences include lab activities, a tour of the campus, and the possibility to enjoy lunch in our dining hall.

ENGAGE

Increase your knowledge, understanding, and confidence with technology, coding, and engineering by participating in this 4-week after school program developed for 6th, 7th and 8th grade students. Our project-based curriculum is to be challenging, interactive, and fun. During the ENGAGE sessions, the participants interact with GSSM students who serve as instructors and role models.

EG^2

This initiative connects elementary aged females from partner schools with female GSSM student mentors who serve as role models and sources of inspiration. The girls participate in inquiry-based STEM activities and learn character and leadership skills.

SPARK!

Ignite your passion for STEM and interact with GSSM students by participating in the SPARK! after-school program. Enjoy hands-on activities in the areas of chemistry, biology, mathematics, physics, and more that are designed for middle school students and taught by GSSM students. The topics vary each week, so participants have the option of selecting a topic that matches their interest.

G.E.M.S.

Be a part of a new project-based after-school experience developed for 6th – 8th girls who are interested in applying an engineering design process to find solutions to relevant engineering challenges. The eight sessions are led by enthusiastic GSSM female mentors who want to share their passion of creativity, innovation, and problem solving.

INSIDE GSSM

INSIDE GSSM is an annual event when GSSM opens its doors to families across SC for a day of imagination, inspiration, and innovation. It’s an opportunity for young students and their families to participate in activities designed by students, faculty and staff. Families will experience the uniqueness and diversity of the GSSM learning community.