Ignite a passion for discovery and supercharge it with hands-on exploration on a guided, sky’s-the-limit flight path. This is STEM

READY for the next challenge: We guide our STEM students—our aspiring scientists, technologists, engineers and mathematicians—along a trajectory of success that starts on day one. It begins in hands-on introductory courses, and builds across increasingly sophisticated scholarly experiences. Along the way, Drew never loses sight, as a liberal arts college, of the fact that scientific endeavor connects with the human experience and adds to the world’s good.

SET on course, and closely mentored at every step, our students soon transition their academic work into professional credentials. Research in a RISE lab leads to an internship with a hot start-up. On-campus fieldwork is parlayed into a coveted national fellowship. An honors thesis based on a research project turns into a conference presentation. With these résumé-ready experiences, our students are more than prepared to compete for the best jobs and the top graduate and medical schools.

LAUNCH a passion for discovery and turn it into a blueprint for success—and curious students into skilled scientists.
Real science. On campus. The best way to learn science is to be a scientist. Our STEM program begins with this hands-on credo. Students start with team-based, active-learning courses and build up to challenging, on-campus experiences that impart the attitudes and aptitudes they’ll use in the professional STEM sphere.

Newly renovated biology labs complete a $15M upgrade of the Hall of Sciences.

This fall, students sat on shiny new benches in freshly renovated biology labs, marking a milestone for the Hall of Sciences. All of the teaching labs for our introductory courses were modernized as open, flexible workspaces for active learning. This ensures that students develop the professional skills—like teamwork, problem solving and goal-oriented management—demanded in STEM careers.

Match the experience of a retired scientist with the potential of a Drew student and the result is the Research Institute for Scientists Emeriti (RISE), a catalyst for the next generation of trailblazers. Each RISE fellow—currently a dozen, including a Nobel Prize winner—mentors students in research projects with real potential to move science forward. Most RISE students go on to medical or graduate school.

More than 50 students spent last summer in our labs, making the Drew Summer Science Institute (DSSI) the largest such program among our peer institutions. With those numbers, four to six students can work collaboratively under one faculty adviser, creating the lab teams necessary for complex research and interdisciplinary projects.

NEW THIS YEAR!

2 degree options for STEM majors:

1. DREW SUMMER SCIENCE INSTITUTE
   Perry Asibey-Bonsu C’21 spent last summer living on campus and conducting physics research alongside his mentor, Professor Bjorg Larson. Our DSSI program is so popular that students often participate as volunteers once the program’s stipends have been doled out.

2. RESEARCH INSTITUTE FOR SCIENTISTS EMERITI
   Students working with RISE fellow Marvin Bayne study the roundworm C. elegans as a model for several diseases. One of his students, Janaya Reeves C’19, is the first recipient of the Arnold L. Demain RISE Fellowship, established by admirers of the long-time RISE fellow with a $100,000 endowment.

3. DREW REVIEW
   The scientific process comes full circle when students publish their research in Drew’s own scholarly journal. Skills learned as an editor of the journal, says Zarina Akbary C’19, are transferable to the written work expected of the PhD candidate in biology she hopes to become.

4. COMBINED DEGREES
   First-year student Arman Sawhney C’22 is really going places—and he’ll get there faster in our 3+4 BA/MD program. With simultaneous acceptance to both Drew and our partner medical school, highly qualified students earn both degrees in only seven years.

5. MENTORED RESEARCH
   When ambitious students like Uma Kantheti C’19 conduct their own research, they have an experience that mirrors graduate-level study. Mentored by biology professor Brianne Barker, the Baldwin Scholar is analyzing viral immune responses with implications in cancer. Her work earned her a 2018 Goldwater Scholar Honorable Mention.

6. CIVIC ENGAGEMENT
   Science melds with civics in Drew’s Middle School Fair for Emerging Researchers, directed this year by Jordan Burnett C’19 as her senior Civic Scholars project. She and chemistry honors students visit area schools, leading hands-on exploration of the scientific method, then host an on-campus science fair.
SET.

Learn it. Use it. We challenge STEM students to take their learning off campus and into the real world. They work alongside professionals in industry labs, collaborate with scholars in the field and present original research at national conferences. It’s how our junior scientists transition from campus to career—and put the polish on job and grad school applications. Likewise, Launch guarantees every student a portfolio of résumé-worthy experiences that build a brand.

Drew students have the chops to land a prestigious Research Experience for Undergraduates—better known as an REU—and work on National Science Foundation–funded research projects.

"I learned to present my research to experts—rather than peers—and to network with potential partners in industry and academia. By simply presenting my project, I gained the interest of a faculty member who requested to collaborate."

—RYANN CALLAGHAN C’19
PRESENTER AT THE SOCIETY FOR INDUSTRIAL MICROBIOLOGY AND BIOTECHNOLOGY 2018 ANNUAL MEETING IN CHICAGO

[Images of students and projects]
Standout résumé. Surefire success.
Our newly minted scientists go into the world with something more: more skills, knowledge and experience; more vision, independence and self-assurance. Close mentorship by a customized team ensures that undergraduate interests are tied tightly to professional plans—and send our graduates’ applications for jobs and graduate schools to the top of the heap.

94% of recent Drew graduates were employed or in grad school within six months.

Ashley Bloodgood C'17
Physics

Tyler Dorrity C'18
Biochemistry

Rayyan Sayeed C'17
Mathematics

Pearl Sutter C'18
Neuroscience

Saif Yasin C'17
Biochemistry & Molecular Biology

DREW NEEDS YOU!
You can share your hard-won wisdom with an up-and-coming student through Drew’s affinity networks, which bring together alumni and students with common interests—in psychology, say, or computer science. Sign up at drewconnect.drew.edu.