



ARTS AND SCIENCES AT **DREXEL UNIVERSITY** GRADUATE STUDIES

The College of Arts and Sciences is among Drexel's most diverse academic colleges. With nine doctoral and 11 master's degree programs, the college is a leader in the University's commitment to a multidisciplinary approach to learning. By incorporating theory, collaboration, faculty engagement, and creativity, students gain a well-rounded education in specific areas of the humanities and sciences.

Faculty in the college are the recipients of numerous grants from the National Institutes of Health, the National Science Foundation, NASA, and more, affording important research opportunities to students. Students are exposed to these opportunities through close interaction with faculty as well as through the Dean's Seminar, a forum open to all students, faculty, and staff in the college, in which faculty and noted speakers present their work to the college community. For more information on individual academic departments and curricula, visit www.drexel.edu/coas.

Our Mission Statement

By pursuing excellence in research and scholarship, we educate our students to become ethical professionals and citizens with knowledge of and appreciation for the fundamental interactions among the humanities and the sciences in a fast-changing, challenging, and diverse world.

Our History

Since the University's inception in 1891 as the Drexel Institute of Art, Science, and Industry, the "arts" and the "sciences" have been an integral part of Drexel's core. The academic definitions of art and science were revised through the years, and in 1968 and in 1970 the College of Science and the College of Humanities and Social Sciences were established. Two decades later, in 1990, the College of Science and the College of Humanities and Social Sciences merged and the modern incarnation of the College of Arts and Science was founded.

For More Information

In order to stay ahead of pedagogical trends, we continuously review and update the number and content of programs offered. While a list of our graduate programs follows, prospective students are encouraged to visit these websites for the most current information:

Admissions:

www.drexel.edu/grad/coas

The Graduate Catalog:

www.drexel.edu/catalog/grad/coas



LIVE IT.™

Facilities and Resources

The College of Arts and Sciences is located primarily on Drexel's University City Main Campus. The college's diverse academic offerings provide students access to an impressive array of laboratories, research facilities, and enrichment opportunities. Below is a listing, though not exhaustive, of some of the college's resources and facilities:

- **Papadakis Integrated Science Building** – Construction has begun on the newest campus addition. This 130,000-square-foot facility will include state-of-the-art teaching laboratories, classrooms, and faculty offices.
- **Laboratories** - The college houses a number of cutting-edge research laboratories. For more information on available laboratories, contact the academic departments.
- **Drexel Publishing Group** - The Publishing Group (DPG) serves the University literary community by providing three distinct publications:
 - **DPG Online** – An online magazine written, edited, and produced by Drexel students and faculty.
 - **The Painted Bride Quarterly (PBQ)** – Established in 1973, the PBQ is an independent, community-based literary magazine.
 - **The 33rd** – A multi-genre anthology of student and faculty writing.
- **University Observatory** - The Drexel Observatory is home to a 16-inch Meade Schmidt-Cassegrain telescope, the largest in Philadelphia.
- **Glass Shop** - This on-campus glassblowing shop is open to Drexel students and faculty researchers for the modification, repair, and custom design of scientific apparatus.

Academic Departments

Biology

Graduate students in the Department of Biology take courses that focus on advanced general knowledge and then on advanced, specialized domain knowledge. PhD students and thesis-seeking MS students then undertake a faculty-mentored research project that results in the creation of new knowledge in their field of study. Areas of research include biochemistry, biodiversity, cell biology, conservation biology, ecology, evolution, genetics, microbiology, molecular biology, neuroscience, organismal development, paleontology, and physiology. The department is committed to collaborative research and learning. This is reflected in partnerships between the department and the colleagues in the College of Arts and Science; College of Medicine; College of Engineering; School of Biomedical Engineering, Science, and Health Systems; and the School of Public Health.

To learn more about the Department of Biology, visit www.drexel.edu/biology

Degrees Offered:

- Biological Science: MS, PhD
- Environmental Science: MS

Chemistry

Drexel's graduate program in chemistry is committed to engaging students in active research related to finding practical solutions for challenges facing humanity and the environment. Students are encouraged to integrate use-inspired research by working closely with biologists, biomedical and chemical engineers, and physicists throughout the University community to find solutions. The department maintains a community of research scholars and is large enough to provide a breadth of opportunity and small enough to allow for personalized attention. Areas of research include analytical chemistry, atmospheric chemistry, biophysical and bioinorganic chemistry, chemistry education, computational chemistry, inorganic chemistry, organic chemistry, and physical and polymer chemistry.

To learn more about the Department of Chemistry visit www.drexel.edu/chemistry

Degrees Offered:

- Chemistry: MS, PhD

Culture and Communication

One of the college's most diverse academic departments, the Department of Culture and Communication houses three distinct graduate programs in Communication, Environmental Policy, and Publication Management. The department's faculty are united in their common research of the social sciences. The master's in communication offers specialized concentrations in public communication, science communication, and technical communication.

To learn more about the Department of Culture and Communication visit www.drexel.edu/culturecomm

Degrees Offered:

- Communication: MS
- Culture and Communication: PhD
- Environmental Policy: MS
- Publication Management: MS

History and Politics

The graduate program in Science, Technology, and Society incorporates methods of history, policy studies, and other social science fields to address contemporary issues in science, technology, and medicine. The program prepares students for positions in settings concerned with the social origins and impact of science. With a focus on research related to gender, class, race, and cultural issues, the MSTS program engages with local, national, and global cases to integrate Drexel's historic strength in technology with analysis of today's most pressing societal challenges.

To learn more about the Department of History and Politics visit www.drexel.edu/histpol

Degree Offered:

- Science, Technology, and Society: MS

Mathematics

The Department of Mathematics offers programs in pure and applied mathematics to students pursuing MS and PhD degrees. Primary faculty research interests include combinatorics, probability, analysis, algebra, partial differential equations, dynamical systems, mathematical biology, inverse problems, geometry, optics, and computational mathematics.

To learn more about the Department of Mathematics visit www.drexel.edu/math

Degrees Offered:

- Mathematics: MS, PhD

Physics

The Department of Physics offers opportunities for students to study with leading researchers in astrophysics, biophysics, nonlinear dynamics, particle physics, and solid state physics, and to participate in international collaborations. Each year, for the Kaczmarczik Lecture, the department invites an outstanding scientist, often a Nobel laureate, to present on topics at the cutting edge of physics research. Coursework for the MS and PhD degrees include advanced training in core areas of physics and in topics of current research. Doctoral students begin research early in the program, commencing thesis work in their second year of study.

To learn more about the Department of Physics visit www.physics.drexel.edu

Degrees Offered:

- Physics: MS, PhD

Psychology

Graduate degree programs are offered in clinical psychology (PhD), law-psychology (JD-PhD in conjunction with the Earle Mack School of Law), applied cognitive and brain sciences, and general psychology (MS). The doctoral programs are highly selective and fully accredited by the American Psychological Association (APA), offering concentrations in forensic psychology, health psychology, neuropsychology, and cognitive behavioral therapy. The MS program is research oriented and focused on preparation for advanced training. As part of the department's commitment to professional growth, each candidate is paired with a faculty mentor. Students will work closely with their mentor regarding thesis preparation, professional goals, and independent study.

To learn more about the Department of Psychology visit www.drexel.edu/psychology

Degrees Offered:

- Applied Cognitive and Brain Sciences: PhD
- Clinical Psychology: MS, PhD, JD-PhD

Faculty

The College of Arts and Sciences faculty are among the University's leaders in research and scholarship. The college has some 230 full-time faculty members across eight academic departments. Faculty in the Arts and Sciences teach approximately 35 percent of the total student credit hours at the University each year. University-wide, approximately 95 percent of full-time faculty members hold a PhD or the highest degree in their field, and the student-to-faculty ratio is 10 to 1. The college faculty are leaders in their respective fields — many of the faculty are accomplished researchers, scientists, and published authors. Through mentorship and faculty advisement, graduate students in the Arts and Sciences have direct access to this breadth of experience and knowledge.

Libraries

The Hagerty Library, located on the University City Main Campus, supports the curricula of the College of Arts and Sciences, including numerous academic journals. Audiovisual materials are available for viewing and listening at home, in fully equipped study carrels, and in-group viewing rooms. Scanning; printing; and word-processing, spreadsheet, presentation, and other software programs are available in the Computer Center. A large study area and various library computers, printers, and photocopiers are available 24 hours a day for use by University students, faculty, staff, and residents. Drexel University has three other libraries: The College of Law Library, also on Main Campus; the Hahnemann Library on the Center City Campus; and the Queen Lane Library, located on the College of Medicine Campus. Drexel graduate students also have access to the library resources of the University of Pennsylvania, the University of the Sciences in Philadelphia, and the Restaurant School at Walnut Hill College.

About Drexel

Drexel University is a private, nonsectarian coeducational university, founded in 1891 by financier and philanthropist Anthony J. Drexel. Today it is a top-tier, comprehensive research university, enrolling more than 13,000 undergraduates and 7,000 graduate, professional, and certificate students on four separate campuses. The University's 13 colleges and schools offer over 70 undergraduate majors, and more than 70 master's and 30 doctoral programs. Drexel is fully accredited by the Middle States Association of Colleges and Schools, with additional programs accredited by their respective top professional accreditation bodies. Students come from 48 U.S. states and 103 foreign countries.

Philadelphia

Philadelphia is the nation's sixth largest city, with a metropolitan population of nearly six million. It is renowned for its historical sites and the diversity of its neighborhoods, and as a hub of the pharmaceutical, electronics, and finance industries. The city offers countless arts, entertainment, and recreational attractions including museums, theaters, major league sports franchises, and the nation's largest urban park system, as well as first-class shopping, dining, and nightlife. Drexel's Main Campus is located in the University City neighborhood, which is also home to the University of Pennsylvania, the University of the Sciences, and the Restaurant School at Walnut Hill College.

The Center for Public Policy (CPP)

The College of Arts and Sciences is also home to The Center for Public Policy, which supports interdisciplinary policy-oriented scholarship among Drexel faculty and other external affiliates. It also engages students in this research through its innovative Master of Science in Public Policy (MSPP) degree program. The CPP has particular research and educational strengths in environmental policy, urban systems management, and science and technology policy.

To learn more about the Center for Public Policy, visit www.drexel.edu/publicpolicy

Degree Offered:

- Public Policy: MS

Admission

Acceptance for graduate study at Drexel University requires a bachelor's degree from an accredited institution in the United States or an equivalent international institution. Although admission requirements vary by program, regular acceptance typically requires a minimum grade point average (GPA) of 3.0 for the last two years of undergraduate work. The GPA for any graduate work must be at least 3.0. Applicants for post-master's status must show potential for further study by having maintained at least a 3.0 GPA in their master's-level studies. (Individual departmental requirements may exceed this minimum.)

The admission committee evaluates all credentials submitted by applicants to determine a student's ability and potential to succeed in graduate study. In addition, the committee is interested in the applicant's ability to contribute to his/her program of study and to the University community as a whole.

Applicants may only apply to one program at a time. Drexel will waive the application fee if you apply online or submit your application during a campus visit. For more information, see www.drexel.edu/apply/coas.

Financing

Students must complete the Free Application for Federal Student Aid (FAFSA) annually to be eligible for federal, state, or institutional aid. File online at www.fafsa.gov. Drexel's school code is 003256. To learn more, visit www.drexel.edu/financialaid.

Merit-based aid in the form of teaching, research, and graduate assistantships is awarded by the graduate departments based on need and availability of funds. Questions should be directed to the graduate advisor.

For More Information

Graduate Admissions

Drexel University
3141 Chestnut Street
Philadelphia, PA 19104-2876
215-895-6700
1-800-2-DREXEL
enroll@drexel.edu
www.drexel.edu/grad

Apply online at www.drexel.edu/apply/coas