ENGINEERING, COMPUTING, & DATA ANALYSIS

AT DREXEL UNIVERSITY
A NOTE FROM OUR DEAN OF ADMISSIONS

When you think about choosing the college or university you will call home, you will want to ensure that it fits your interests, and will not only support you in your goals, but encourage you to push your boundaries and to succeed in the ever-changing world.

Drexel University is a premier global research institution that has been preparing students through practical and cultural education for over 125 years. Utilizing academic and volunteer-based partnerships with our community, our students are among the most engaged students in the nation. They are not only making an impact on campus, but also in the city of Philadelphia and around the world through academics, service, and leadership.

The effectiveness of our unique educational model holds especially true for students in our Engineering, Computing, and Data Analysis programs. As these fields change to adapt to society’s needs, expert professionals are ahead of the curve, improving our daily lives. Civil engineers, computer engineers, and information specialists all have an important place within our technology-driven society. With a dynamic history of applied science and innovation, Drexel’s Engineering, Computing, and Data Analysis programs prepare students for the challenges ahead through a unique curriculum that includes our renowned cooperative education program, also known as co-op.

Having served as a successful blueprint of career success since 1919, co-op provides students with the opportunity for professional work before graduation. Drexel Dragons experience their chosen industries with the leaders of today, and gain the necessary firsthand knowledge to become the leaders of tomorrow. Students leave our doors on graduation day with a full understanding of the path they have chosen.

Drexel is a place where you will make your mark on the world today. I encourage you to explore what Drexel has to offer you.

Sincerely,

Evelyn K. Thimba
Vice President & Dean of Admissions
Enrollment Management & Student Success
Your curiosity fuels your desire to figure out how things work and enhance them to make the world a better place. Your ability to understand and break down the big picture into smaller, individual pieces will enable you to become a leader in the engineering field, where you can make an impact in consulting firms, manufacturing companies, or even real estate agencies. Engineers serve vital roles that improve the ways we live and work, causing a ripple effect at home and around the world. At Drexel, you will become a problem solver, dedicated to discovering opportunities and applying technology to improve quality of life.

From day one, you’ll connect with the engineering field through experience-based academics. By performing collaborative research, you’ll better society in a number of ways, from 3D printing biological tissue for cancer research, discovering new sources of clean energy, or building a hybrid race car to promote innovation.

Through Drexel’s cooperative education program, you’ll have the opportunity to develop a systematic understanding of the world as you learn from those leading the way. By the time you graduate and are ready to enter the workforce, you will have already built a résumé of real-world experience and knowledge that will set you apart from your peers.

Learn more about our Engineering programs at drexel.edu/academics.
• Architectural Engineering
• Biomedical Engineering
• Chemical Engineering
• Civil Engineering
• Computer Engineering
• Construction Management
• Electrical Engineering
• Engineering Technology
• Environmental Engineering
• Materials Science and Engineering
• Mechanical Engineering

• Undeclared – Engineering
02

COMPUTING
& DATA
ANALYSIS

Drexel Co-op, Sirius XM Radio
You are driven to analyze problems and produce solutions. Every day, experts in computing and data analysis apply their skills in health care, research and development, and operations departments to answer society’s most pressing issues through technology. At Drexel, you will learn how to spot trends before they emerge, solving problems before they occur.

Whether your goal is to test thermal imaging hardware, create a more powerful computer processor, or develop a new smartphone app, Drexel provides the knowledge you’ll need by focusing on the connection between people, information, and technology. You’ll give back to the community by assisting in schools and teaching code to the next generation. You can also tackle local and global challenges during Philly Codefest, Drexel’s annual 36-hour student-organized hardware and software hackathon. In addition, our innovative cooperative education program will allow you to strengthen and apply your classroom learning with real-world experience, providing the opportunity to collaborate with leading professionals in the field.

This unique combination of traditional learning and practical experience will not only prepare you to excel after graduation, but will allow you to make a difference in today’s data-driven world.

Learn more about our Computing and Data Analysis programs at drexel.edu/academics.
You are passionate about data. Your ability to think critically, evaluate problems, and provide solutions makes you valuable to the information systems field, whether you are applying information technology in Fortune 500 companies, security firms, or government agencies. Professionals in this field tackle local and global challenges every day, bridging the gap between complicated computer data and business. With a Drexel education, you will gain the skills to design, develop, and manage leading-edge information systems.

At Drexel, you’ll learn the intricacies of high-level system design, databases, and human-computer interaction, as well as discover industry trends. Through diverse research opportunities, you’ll interact with people and businesses to understand their needs and translate them into effective systems to improve efficiency. And with our cooperative education program (also known as co-op), your classwork will blend into firsthand experience using creative methods while collaborating with leading professionals — all before you graduate.

When you receive your degree, you’ll have made your mark through experiences you won’t find at any other university. Through Drexel’s Information Systems programs, you can use your technological, business, and communication skills to enhance the human experience and make an impact on the world around you.

Learn more about our Information Systems programs at drexel.edu/academics.
INFORMATION SYSTEMS

MAJORS
- Information Systems
- Management Information Systems
- Software Engineering
- Technology and Innovation Management
WANT TO KNOW WHAT DREXEL IS REALLY LIKE?

PaperClip is a collection of unique stories about Drexel experiences written by students. Learn more at paperclip.drexel.edu or download the app for Apple or Android.

Our Admissions Blog gives you the insider’s view of Drexel University. From tips about the admission process to a preview of life on campus and in Philly, you’ll learn from those who know it best. Learn more at drexel.edu/undergrad/blog.
SCHOOL OF BIOMEDICAL ENGINEERING, SCIENCE AND HEALTH SYSTEMS
The School of Biomedical Engineering, Science and Health Systems teaches students to not see problems, but rather solutions and opportunities to translate science into saving lives and improved health. The school constantly pushes the boundaries of science and technology, realizing that collaboration leads to progress for all lifesaving solutions. Students will network across an expansive range of relationships and be prepared for emerging biomedical challenges in today’s world.

LEBOW COLLEGE OF BUSINESS
LeBow provides students with the knowledge, skills, and confidence to succeed in highly competitive business-related fields, and also houses the School of Economics. Students at LeBow will build a strong foundation of knowledge, which includes personalized attention from faculty who are leaders in their fields and bring their research back into the classroom. With programs that emphasize analytical thinking and hands-on learning, students begin preparing for their futures now.

COLLEGE OF COMPUTING & INFORMATICS
The College of Computing & Informatics is collaborative, bringing together computing and informatics in a unique way. The college focuses on the connection between people, information, and technology with the goal of enhancing the human experience. Students in the college receive the knowledge and skills necessary to lead and innovate across industries, building a better tomorrow, starting today.

COLLEGE OF ENGINEERING
The College of Engineering is a leader in the emerging fields of biotechnology, nanotechnology, and more, preparing students to excel in their chosen engineering major. Through experience-based academics, students will connect with the world around them on and off campus, which includes opportunities for interdisciplinary study among Drexel’s other colleges and schools. Students from the college will be equipped to start making an impact right away, creating solutions for revolutionary changes in society.
FACILITIES & RESOURCES

SCHOOL OF BIOMEDICAL ENGINEERING, SCIENCE AND HEALTH SYSTEMS
The school offers many resources for expanding thinking and encouraging collaboration with other colleges and schools at Drexel. A few highlights include:
• Bossone Research Enterprise Center, which features various specialized labs dedicated to research in biomedical systems, bionanotechnology, neuroengineering, and drug delivery, as well as implant research.
• Coulter-Drexel Translational Research Partnership Program, which promotes, develops, and supports innovations for improving patient care.

LEBOW COLLEGE OF BUSINESS
Housed in Gerri C. LeBow Hall on our University City Campus, the college features resources for interdisciplinary experience. A few highlights include:
• Business Analytics Solutions Center, which supports student-faculty collaboration across disciplines and enables consulting opportunities, student engagement, and faculty research.
• Institute for Strategic Leadership, which provides a hands-on, collaborative approach to understanding leadership trends and behaviors through experiential learning and real-world connections.
• Behavioral Lab, a flexible space that supports behavioral research on business-related topics and student-conducted research studies.
• Trading Lab, a technology lab with Bloomberg Terminals that is home to The Dragon Fund, a student-managed equity portfolio that oversees $1 million.
• Collaboration Rooms, spaces that are optimally designed for group work and presentation preparation.

COLLEGE OF COMPUTING & INFORMATICS
The college has a few locations on our University City Campus, and many resources that encourage collaboration with students and faculty across the University. A few highlights include:
• RePlay Gaming Lab (in collaboration with the Digital Media program), where students develop and produce potential game ideas.
• Center for Visual and Decision Informatics, a multi-university research center combining analytic, visual, and perceptive techniques to help government and industry organizations improve the way their information is interpreted.
• Metadata Research Center, which advances research in metadata, semantics, and other areas that address today’s most pressing information management challenges.
• Philly Codefest, an annual 36-hour software and hardware hackathon that Drexel students organize and participate in.
• Women in Computing Initiative, a supportive program focused on the recruitment and retention of women in undergraduate CCI majors.

COLLEGE OF ENGINEERING
The college is located in the Bossone Research Enterprise Center on our University City Campus, and offers many facilities that encourage engineering and cross-disciplinary study. A few highlights include:
• Academic Center for Engineering (ACE), a supplementary resource for students seeking help with undergraduate Engineering courses, with tutors who demonstrate exemplary academic ability and a pragmatic approach to problem solving.
• Bossone Research Enterprise Center, a state-of-the-art center that is home to nanotechnology labs, information networking and smart infrastructure spaces, and research avenues for all Drexel students.
• Centralized Research Facilities, which include imaging and analytical laboratories in the Bossone Center and a microfabrication laboratory in the LeBow Engineering Center.
• ExCITe Center, a multidisciplinary collaborative space, which incorporates arts and design along with science, technology, engineering, and mathematics in a STEAM approach.
• Innovation Studio, a “flow through” space offering students a place to create projects and a central hub for cultivating ideas across the University.
This is Drexel

About Us

1891 Founded

15 Colleges & Schools

Mario The Dragon is Our Mascot

The Barcode Was Created Here

Ranked in the Top 8 Percent of U.S. colleges and universities by The Wall Street Journal and Times Higher Education

Drexel Crew has won six consecutive Dad Vail Regatta overall points titles

First University to have a fully Wireless Campus

Historic recordings by David Bowie are being restored in our Audio Archives

Connections

Academy of Natural Sciences of Drexel University
Home to President Thomas Jefferson’s fossil collection

ExCItE Center
An incubator for studying emerging areas and mingling with research mentors

Barnegat Bay, New Jersey
Students study animal life in this research center on the beach

Student Life

WKDU 18 Student-Run Radio Station

Drexel University Online

Camuses

University City
The University’s main campus
- Philadelphia, PA

Center City
Home of the College of Nursing and Health Professions
- Philadelphia, PA

Queen Lane
The University’s main medical campus
- East Falls, PA

Drexel University Online
- Anywhere
PHILADELPHIA, PA IS OUR HOME

Home of the Philly CHEESESTEAK

DECRYPTED OF INDEPENDENCE WAS SIGNED HERE

LOVE ALSO KNOWN AS THE CITY OF BROTHERLY LOVE

5 MAJOR PHILLY SPORTS TEAMS: FLYERS, PHILLIES, EAGLES, 76ERS, AND UNION

AROUND CAMPUS

9 RESIDENCE HALLS

DREXEL RECREATION CENTER NAMED ONE OF PHILLY’S BEST GYMS

15+ ON-CAMPUS PLACES TO EAT

HOME OF NORTH AMERICA’S LARGEST BIOWALL

FOOD TRUCKS ALL OVER CAMPUS

COOPERATIVE EDUCATION

1919 YEAR DREXEL’S COOPERATIVE EDUCATION PROGRAM WAS FOUNDED

More than 1,600 CO-OP EMPLOYERS

Co-ops in 30 STATES (+ Washington, D.C. & Puerto Rico)

47 COUNTRIES

Over 30 FRATERNITIES & SORORITIES

Over 400 CLUBS, ORGANIZATIONS, AND INTRAMURAL SPORTS TEAMS
When Drexel was founded in 1891, A.J. Drexel’s dream was to establish a university that would fully prepare its students for future careers. Our students gain valuable experience in and out of the classroom. True to the vision of our founder, the following are just a few aspects of the University where the value of a Drexel degree shines.

**STEINBRIGHT CAREER DEVELOPMENT CENTER**
Steinbright sets you up for success at Drexel from day one. With world-class career services and preparation, you’ll have guidance throughout your Drexel career to discover your interests and develop your professional tools, such as a résumé and interview skills.

**COOPERATIVE EDUCATION (CO-OP)**
Since 1919, our curriculum has included our cooperative education program, which enables students to test drive different careers. Through Drexel Co-op, you will be able to narrow down your interests. You can gain up to 18 months of professional work experience on co-op in the United States and abroad at Fortune 500 companies, nonprofits, startups, a variety of governmental agencies, and more. Most importantly, you’ll gain a wealth of experience off campus and be able to inspire further thinking when you bring that knowledge back to the classroom.

**RESEARCH**
We have always encouraged students to question what is and to explore what can be, emphasizing the importance of research and how it can impact the world around us. Using our state-of-the-art facilities, you’ll not only assist faculty and staff with major research projects, but also take the lead in your own studies — including the opportunity for graduate-level research during your first year at Drexel. The possibilities are endless here, and you get to decide where your research will take you.
At Drexel, learning goes well beyond the traditional classroom. We encourage our students to pursue different opportunities, such as studying abroad, immersing themselves in the local community, and developing their own course of study.

- **Honors Program:** A department within the Pennoni Honors College, the Honors Program supports top-achieving students in cultivating their skills and becoming leaders in their fields. Students in the program receive benefits such as small Honors classes, Honors-specific housing, free tickets to cultural events in Philadelphia, Honors-specific advising and mentoring, and priority registration for classes.

- **Civic Engagement:** We believe in the importance of giving back to local communities — there are always opportunities to make an impact and serve the community here. Students can get involved on campus through Drexel’s Lindy Center for Civic Engagement and the Dornsife Center for Neighborhood Partnerships during community-based learning courses and volunteering for community service. But our impact doesn’t stop there; our dedication reaches out globally to improve the world around us.

- **Custom-Designed Major:** The Custom-Designed program enables you to truly individualize your academic experience and curriculum. If we don’t have the major you’re looking for, we can work together to create it or combine existing majors and minors to match your career goals. As a Custom-Designed major, you’ll be advised by Custom-Designed major staff and mentored by a Drexel faculty member who has expertise in at least one of the areas in your course of study.

- **Global Opportunities:** Includes study abroad, international co-op, and more. All Drexel students can take advantage of study abroad, which enables them to live and learn in another country while immersing themselves in the culture. Using our worldwide connections, you can choose from six continents and 60 countries! International co-op takes study abroad one step further; students not only live in another country, but also gain work experience as they test drive a potential career. Students currently on international co-op are working in over 47 countries.
We’re proud to be located in Philadelphia, Pennsylvania, the sixth largest city in the United States. Philadelphia is a revolutionary town founded on revolutionary thinking — much like the ambition Drexel students have for influencing change in the world. The City of Brotherly Love is an extension of our campus, and as a student here, you’ll take full advantage of all it has to offer.

Philly culture is known for being as diverse as its many neighborhoods. From our University City Campus in the hub of Philadelphia’s higher learning community, it’s easy to get to the stadiums in South Philly, take in some history in Old City, and enjoy the park in Rittenhouse Square. When you’re not in classes, there is plenty to do, no matter how you like to spend your free time. Being in the fifth most walkable city in the country, according to Walk Score, has its perks: concerts, performances, restaurants, and athletic events are all easy to access.

Public transportation is just steps away from campus — it’s easy to enjoy an authentic cheesesteak and then visit the famous Philadelphia Museum of Art. You can travel to historic sites around the city or connect to various locations across the country. And when you need to get away from home, Philadelphia is close to everything from farmers’ markets in Lancaster County to ski and snowboarding locations in the Pocono Mountains to strolling the best beaches in the Mid-Atlantic.
COLLEGE OF ARTS AND SCIENCES
• Biological Sciences
• Chemistry
• Communication
  – Journalism
  – Public Relations
  – Technical and Science Communication
• Criminology and Justice Studies
• Emerging Scholars Program
• English
• Environmental Science
• Environmental Studies and Sustainability
• Geoscience
  – Applied Geology
  – General Geoscience
  – Paleontology
• Global Studies
  – Global Business, Economics, and Development
  – Global Health and Sustainability
  – Global Justice and Human Rights
  – Global Media, Arts, and Culture
• History
• Mathematics
• Philosophy
  – Ethical Theory & Practice
  – Philosophy & Law
  – Philosophy, Technology, & Service
• Physics
• Political Science
• Psychology
• Sociology
• Undeclared — General Humanities and Social Sciences
• Undeclared — Science

SCHOOL OF BIOMEDICAL ENGINEERING, SCIENCE AND HEALTH SYSTEMS
• Biomedical Engineering

LEBOW COLLEGE OF BUSINESS
• Accounting
• Business Analytics
• Business and Engineering
• Finance
• General Business
• International Business
• Legal Studies

• Management Information Systems
• Marketing
• Operations and Supply Chain Management
• Organizational Management
• Real Estate Management and Development
• Technology and Innovation Management
• Undeclared — Business

COLLEGE OF COMPUTING & INFORMATICS
• Computer Science
  – Computer Security
  – Game Programming and Development
• Computing and Security Technology
• Data Science
• Information Systems
• Software Engineering

SCHOOL OF ECONOMICS
• Economics

SCHOOL OF EDUCATION
• Elementary Education
• Secondary Education

COLLEGE OF ENGINEERING
• Architectural Engineering
• Chemical Engineering
• Civil Engineering
• Computer Engineering
• Construction Management
• Electrical Engineering
• Engineering
• Engineering Technology
• Environmental Engineering
• Materials Science and Engineering
• Mechanical Engineering
• Undeclared — Engineering

CLOSE SCHOOL OF ENTREPRENEURSHIP
• Entrepreneurship and Innovation

CENTER FOR FOOD AND HOSPITALITY MANAGEMENT
• Culinary Arts and Science
  – Culinary Science
  – Food and Beverage Management
• Hospitality Management

PENNONI HONORS COLLEGE
• Custom-Designed Major

WESTPHAL COLLEGE OF MEDIA ARTS & DESIGN
• Animation & Visual Effects
• Architecture
• Art History
• Dance
• Design & Merchandising
• Entertainment & Arts Management
• Fashion Design
• Film & Television
• Game Design and Production
• Graphic Design
• Interactive Digital Media
• Interior Design
• Music Industry
  – Business
  – Recording Arts and Music Production
• Photography
• Product Design
• Screenwriting & Playwriting
• Virtual Reality & Immersive Media
• Undeclared — Design
• Undeclared — Media

COLLEGE OF NURSING AND HEALTH PROFESSIONS
• Behavioral Health Counseling
• Health Sciences
  – Pre-Physician Assistant
  – Pre-Physical Therapy
• Health Services Administration
• Nursing
• Nutrition and Foods

GOODWIN COLLEGE OF PROFESSIONAL STUDIES
• First-Year Exploratory Studies
  – Humanities and Social Sciences
  – STEM

DORNISFE SCHOOL OF PUBLIC HEALTH
• Public Health

CENTER FOR SPORT MANAGEMENT
• Sport Management
ACCELERATED DEGREES
• BS in Business/MBA
• BS in Computing and Security Technology/MBA
• BS in Culinary Arts and Science/MBA
• BS in Hospitality Management/MBA
• BS in Design and Merchandising/MBA
• BS in Entertainment and Arts Management/MBA
• BS in Information Systems/MBA
• BS in Music Industry/MBA
• BS in Sport Management/MBA

• BA/BS/MS in Communication
• BA/MS in Library and Information Science
• BA/BS/MS in Science, Technology, and Society
• BS/MS in Accounting
• BS/MS in Biomedical Engineering
• BS/MS in Computing & Informatics
• BS/MS in Education (Five Years, One-Co-op)
• BS/MS in Engineering
• BA in Philosophy/MS in Public Policy
• BS/MS in Psychology
• BA/MS in Public Policy

• BA/BS+MD Early Assurance Combined Program (Medicine)

• BA/BS/JD (Law)

• BS/DPT in Physical Therapy

• BS/MHS in Physician Assistant

• BS/MPH in Public Health

• BS in Health Services Administration/MPH in Public Health
The best way to find out if Drexel would be the right fit for you is by scheduling a visit. We have many options to fit your schedule.

**VISIT CAMPUS**

**Open Houses**
Think Big — Join students and their families who are interested in Drexel for a campus-wide Open House in the fall, spring, or summer. At these larger events, you can get an in-depth look at academic programs, meet with current students, and take a tour of campus.

**Campus Visits**
Think Small — Weekdays and most Saturdays, you can schedule a Campus Visit. Each Campus Visit includes an Information Session and Student-Guided Tour of our University City Campus. The Information Session highlights Drexel’s cooperative education program, our academic offerings, and the admission and financial aid processes. Plus, there’s plenty of time for you to ask questions since you’ll be in a smaller group.

[drexel.edu/undergrad/visit](drexel.edu/undergrad/visit)

**Virtual Tour**
If you can’t make it to campus, don’t worry; our virtual tours will give you an insider’s look into Drexel University. Whether you’d like to learn about restaurants in the area, what to do in University City, or even the best places to hear some local music, you can see it all through our virtual tours.

[drexel.edu/virtual-tour](drexel.edu/virtual-tour)

**KEEP IN TOUCH**

**Contact Us**
Our Office of Admissions is always here to help. If you have any questions, please do not hesitate to contact us:

215.895.2400
enroll@drexel.edu
[drexel.edu/undergrad](drexel.edu/undergrad)
We carefully consider every single application we receive. Admission is competitive and selective, and our Admissions Committee’s holistic review process assesses all aspects of the application personally. We believe it’s important to enroll the right-fit students — students who go above and beyond.

**APPLICATION DEADLINES**

**Early Decision** ................................. November 1
Early Decision is the perfect option for students who know Drexel is the school for them and would like a decision sooner. This is a binding application plan and, if admitted, students must withdraw all other active applications and commit to enrolling at Drexel.

**Early Action** ................................. November 1
Early Action means that students can apply by an earlier deadline to receive an admission decision sooner than students who apply Regular Decision. Early Action admission is not binding.

**Regular Decision** ............................. January 15
Through the Regular Decision application process, students will receive a decision in early spring.

**SUBMITTING YOUR APPLICATION**
Freshman applications are accepted through the Common Application only.

[commonapp.org](http://commonapp.org)

**STANDARDIZED TEST SCORES**
Drexel requires standardized test scores from all freshman applicants, but we offer some flexibility in which test(s) will fulfill that requirement. For non-native English speakers, there may be additional testing requirements.

[drexel.edu/undergrad/apply](http://drexel.edu/undergrad/apply)

**FINANCIAL AID**
Financial aid is available to domestic and international students. There are a few applications you should learn about to maximize the financial aid you are eligible for, such as the Free Application for Federal Student Aid (FAFSA) and CSS Profile.

[drexel.edu/undergrad/financing](http://drexel.edu/undergrad/financing)