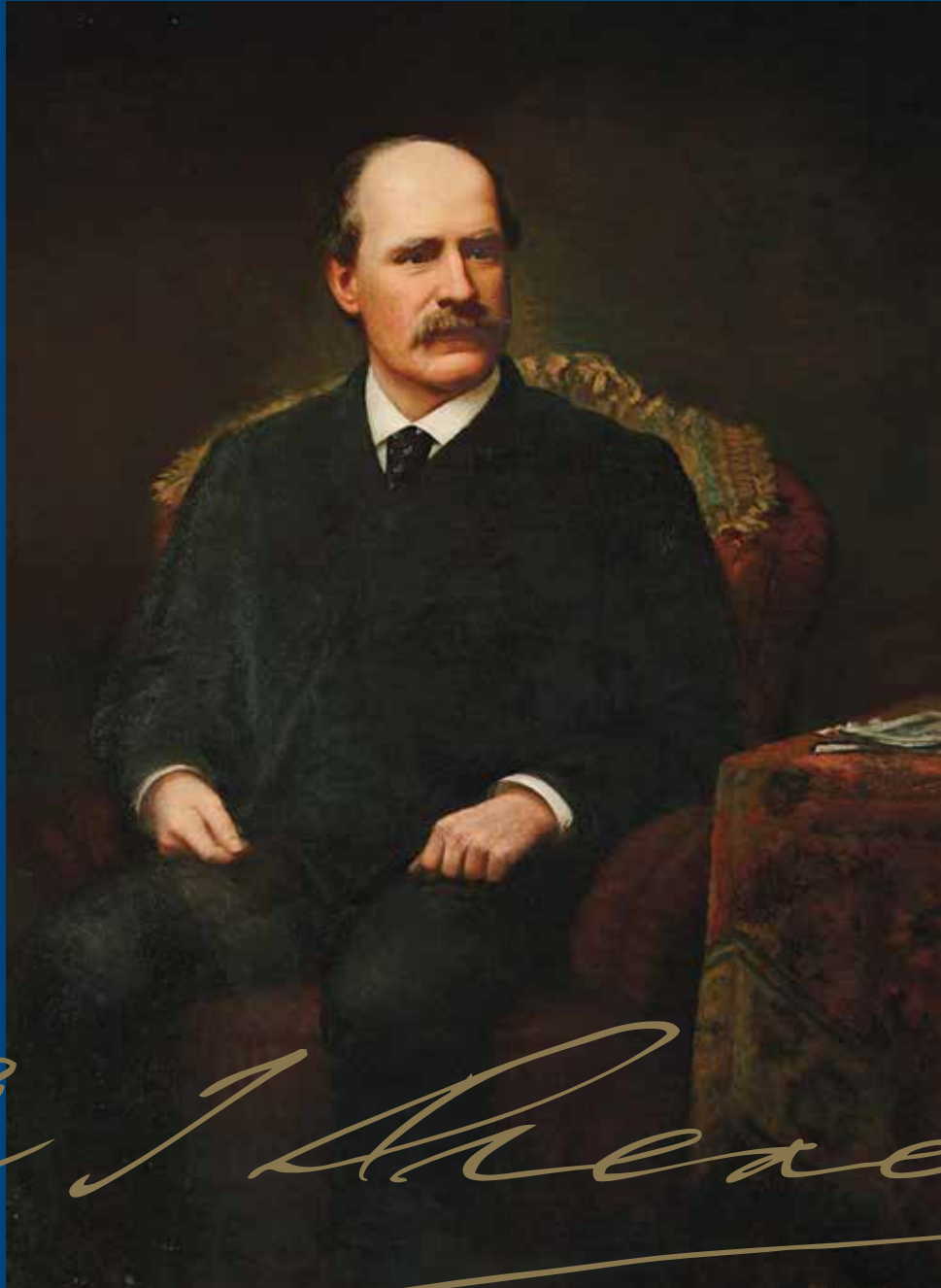


Living Our Founding Values

DREXEL UNIVERSITY PRESIDENT'S REPORT 2016





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FROM THE PRESIDENT

During the University's 125th anniversary year, the Drexel community has been fortunate to be able to pause, reflect and honor our rich traditions in many meaningful ways.

In early December, we gathered in a festive mood in the Great Court of the Main Building to commemorate the vision of our founder, the great financier and philanthropist Anthony J. Drexel, and to seal a new time capsule for the next generation. In the weeks preceding, we retraced our institutional voyage through a series of in-depth lectures, and also debuted a comprehensive book of University history, "Building Drexel, The University and Its City 1891–2016."

But the observance of Drexel's milestone doesn't end for us there — far from it. Rather, it's clear to me that our storied past is prologue for the breadth of opportunity, ambition and spirit of innovation and entrepreneurship that characterizes the Drexel of today.

How can 19th-century beginnings guide a 21st-century institution of higher learning? The solution to that seeming riddle lives in the founding values that motivated A.J. Drexel to create his Drexel Institute of Art, Science and Industry — an endeavor that, at its birth in 1891, was predicted to trigger "a practical revolution in educational methods" of the time.

On the following pages, you can see how A.J. Drexel's insistence upon innovation, practical training, inclusion, cosmopolitanism and engagement were deeply bound into the University's DNA and remain evident in everything we do.

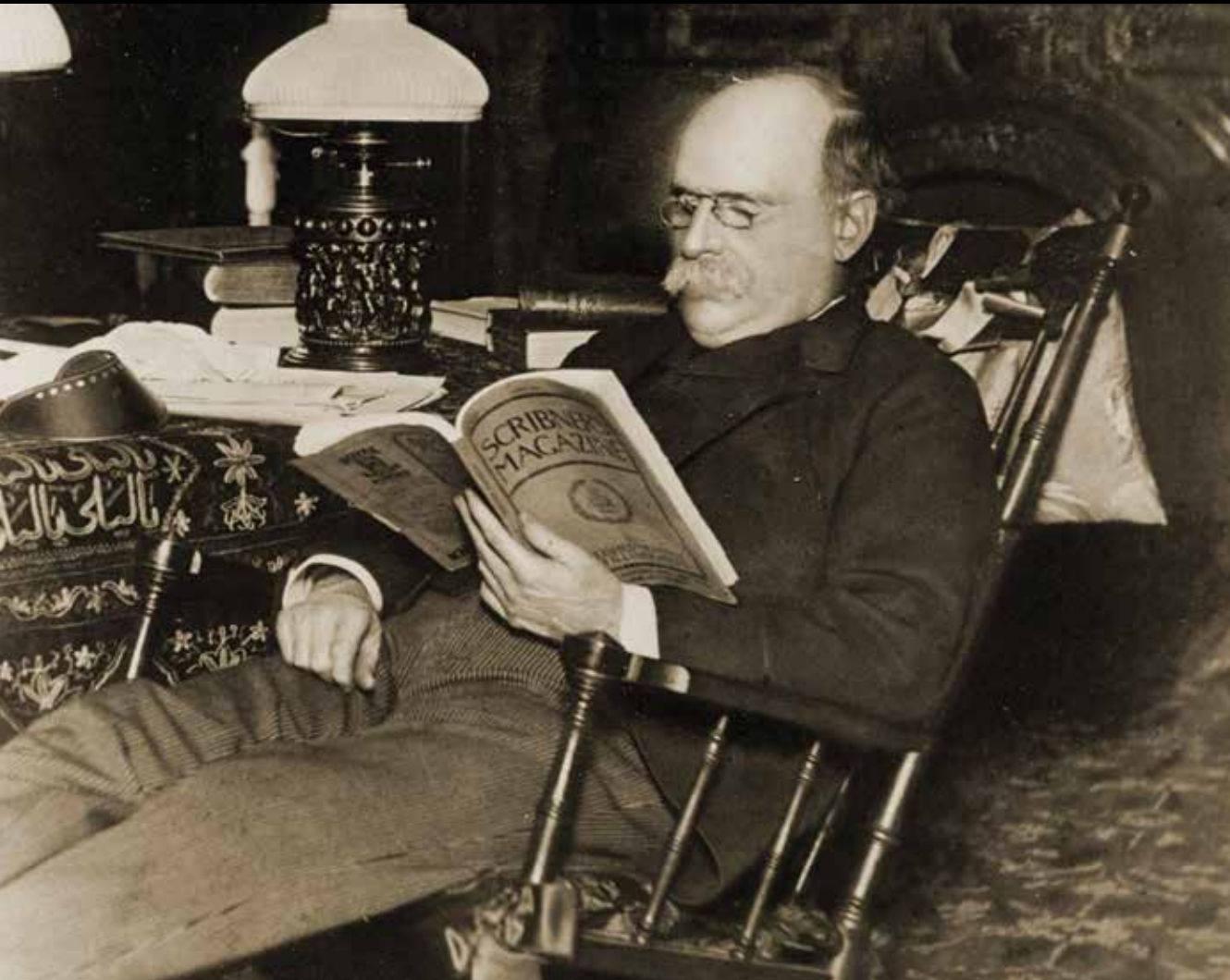
Whether it's the experiential learning that enriches Drexel graduates' career horizons, the faculty-guided student research that starts in freshman year, our deep engagement with neighbors and improvement efforts in West Philadelphia, the daily encounters with great art and architecture on campus, or our embrace of equal opportunity, the University's founding values serve as present-day guideposts. In our fundamental mission to ready Drexel graduates to be productive citizens in the workplace and their communities, these values also will enable the University to evolve to meet society's demands in the future.

I am proud to share this report with Drexel alumni and employees and its many friends and allies in the wider community. As you read on, I hope you will see how we're drawing strength from our founding values and building on a proud history to take this University to new places and greater heights.

Sincerely,


John A. Fry

Innovative



The pace of change in the closing years of the 19th century was inexorable, and Anthony J. Drexel was both a beneficiary and an agent of it. Everywhere that A.J. Drexel and his business peers looked, the economy was spurring new technologies to speed production, the shipment of goods and the movement of people. Invention was in the air, and the founder saw its first cousin — innovation — as a key tenet of what a Drexel education would be all about. Though not an inventor himself, A.J. Drexel was inventive in his dealings as a financier, and understood the value of experimentation in finding solutions to practical problems within his field. He devised a way to exchange currency in Europe in what could be considered a

forerunner of modern travelers' checks. He adopted business practices that favored merit, rather than family ties — at the great cost of alienating a brother. And he inaugurated profit sharing for his workforce.

At every step of his career journey, risk was the byword for financial dealings that spanned some of that century's worst economic crises and saw fierce competitors fall by the wayside.

The message to the Drexel community exemplified by the founder's life is unmistakable: By bravely embracing risk, the potential exists for great rewards.



“This exciting, novel nanoparticle drug delivery system will improve delivery of anti-cancer agents, enhancing anti-cancer activity to improve patient outcomes.”

—Wilbur Bowne, MD (center), associate professor in the College of Medicine, with Hao Cheng, PhD (left), assistant professor in the College of Engineering, and materials science and engineering PhD student Hao Zhou.

INNOVATION

Reinventing Cancer Treatment

A NEW STRATEGY FOR DEFEATING CANCER INGENUOUSLY COMBINES MEDICINE WITH MATERIALS SCIENCE TO “DISGUISE” CHEMOTHERAPY DRUGS.

In the fight against cancer, Drexel doctors and engineers are experimenting with a new way to “sneak up” on a tumor and attack it at its core.

Researchers are using tiny capsules, called nanoparticles, to transport cancer-killing drugs through the bloodstream directly to tumors.

However, the daring approach presents a puzzle. How can researchers ensure that the particles survive the body's natural immune defenses and blast through a tumor's dense matrix?

A Drexel team — led by Hao Cheng, PhD, an assistant professor in Drexel's College of Engineering and also an affiliated faculty member in the School of Biomedical Engineering, Science and Health Systems — believes success has everything to do with how the tiny particles are suited up for the journey.

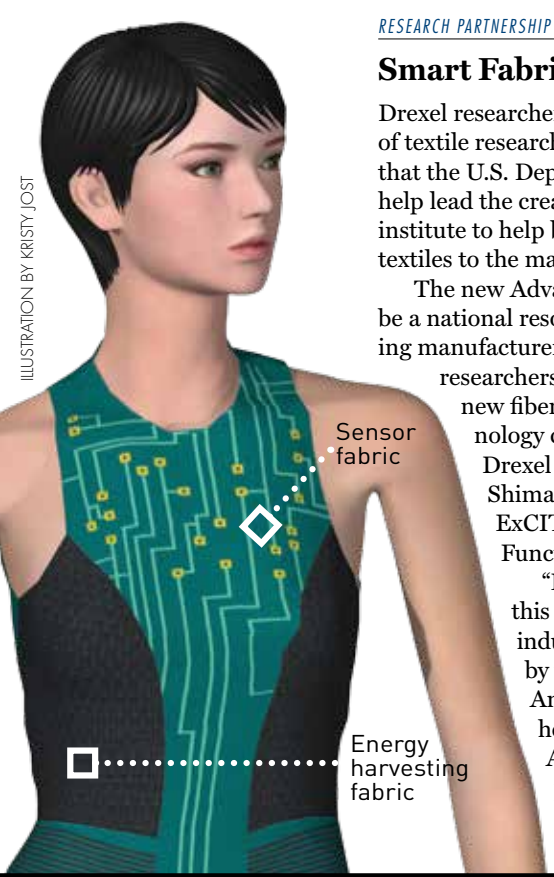
The researchers decorated the nanoparticles with enzymes and added an extra protective layer. This “nanoparticle suit” ensures that the nanoparticle's

appearance tricks the immune system into leaving it alone during its trip to the tumor, yet still allows the particle to deal with any obstacles it encounters while penetrating the tumor.

As part of the research — partially funded by Drexel's Clinical & Translational Research Institute — the team tested their nanoparticle against competitors that did not have the protective layer. Their nanoparticle performed better in both penetrating tumors and accumulating within cancerous cells.

Said Wilbur Bowne, MD, College of Medicine associate professor and co-investigator of the research, “This exciting, novel nanoparticle drug delivery system will improve delivery of anti-cancer agents, enhancing anti-cancer activity to improve patient outcomes.”

ILLUSTRATION BY KRISTY JOST



RESEARCH PARTNERSHIP

Smart Fabrics

Drexel researchers have been working at the cutting edge of textile research for nearly a decade, so it was natural that the U.S. Department of Defense would tap Drexel to help lead the creation of a \$75 million national research institute to help bring sophisticated new materials and textiles to the marketplace and the military.

The new Advanced Functional Fabrics of America will be a national resource for industry and government, allowing manufacturers to draw on the expertise of academic researchers from 31 institutions who are creating new fibers, fabrics and materials with smart technology components. Leading these efforts within Drexel will be Genevieve Dion, director of the Shima Seiki Haute Technology Lab in Drexel's ExCITE Center and head of Drexel's Center for Functional Fabrics.

"Drexel played a central role in assembling this group of governmental, academic and industrial visionaries who are all motivated by the goal of advancing a new model of American textile manufacturing and helping to develop new products," said Aleister Saunders, PhD, senior vice provost for research.



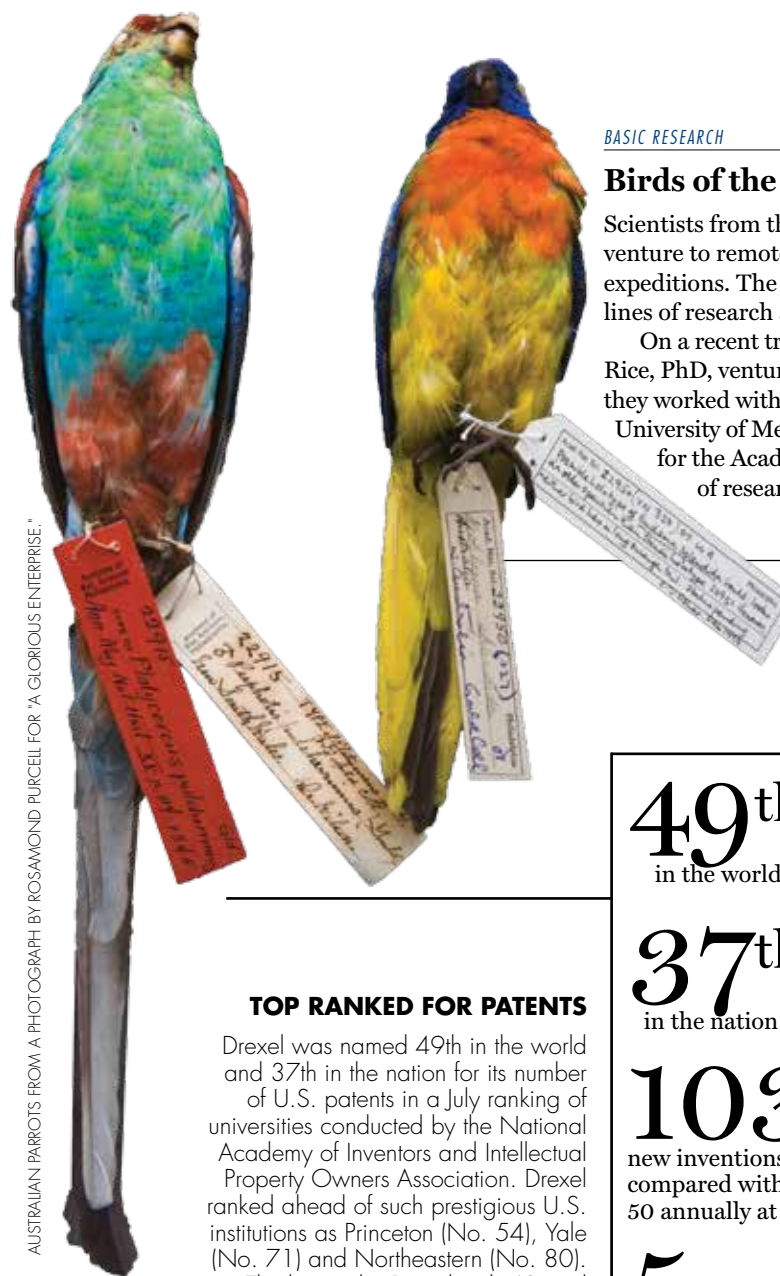
FACULTY ACHIEVEMENT

Top Expert in Nanotech

In the race to create smaller and smaller electronics with ever-growing energy capacity, one of the field's most prolific contributors is Yury Gogotsi, PhD, DSc (above, right), director of the A.J. Drexel Nanomaterials Institute and distinguished university and trustee chair professor in the Department of Materials Science and Engineering.

For his long-time work in nanotechnology and energy storage, Gogotsi was recognized with several international awards this year. He received the prestigious International Nanotechnology Prize Rusnanoprize 2015 (pictured) for his role in improving understanding of how energy can be stored in porous carbons, such as activated charcoal used in water filters. Together with collaborator Patrice Simon, PhD (above, left), of Paul Sabatier University in Toulouse, France, the team developed a method for embedding a supercapacitor energy storage device in a silicon wafer for powering microchips.

Following on that award, Gogotsi also received the 2016 Nano Energy Award from Elsevier, which recognizes an outstanding researcher in the field of nanoscale energy, and the 2016 Distinguished Award for Novel Materials from the International Union of Pure and Applied Chemistry. Gogotsi has published more than 450 papers in peer-reviewed journals and this year he was named to the Institute of Scientific Information's list of Highly Cited researchers for the third year in a row.



AUSTRALIAN PARROTS FROM A PHOTOGRAPH BY ROSAMOND PURCELL FOR 'A GLORIOUS ENTERPRISE.'

BASIC RESEARCH

Birds of the World

Scientists from the Academy of Natural Sciences of Drexel University venture to remote regions of the planet several times a year on collecting expeditions. The specimens they gather have the potential to open new lines of research and answer limitless questions for science.

On a recent trip, Academy scientists Jason Weckstein, PhD, and Nate Rice, PhD, ventured to a protected bird reserve near Mexico City, where they worked with long-time collaborators from the National Autonomous University of Mexico to capture and preserve new skin and tissue specimens for the Academy's Ornithological Collection that will inform the work of researchers from around the world for generations to come.



FUSCO

TECH COMMERCIALIZATION

Healing Power

A wound-healing device created at Drexel recently won a nearly \$3 million National Institutes of Health (NIH) research grant, making it the first device to be funded by the NIH's National Institute of Nursing Research.

The device is a lightweight, battery-powered and fully wearable ultrasound unit that delivers low-frequency waves to chronic wounds such as venous ulcers, which affect more than 500,000 people a year and can take years to heal. The ultrasound waves encourage blood flow and reduce swelling in injured tissues.

The treatment was created by Peter A. Lewin, PhD (above, left), the Richard B. Beard Distinguished University Professor in the School of Biomedical Engineering, Science and Health Systems and director of the Biomedical Ultrasound Research and Education Center; and Michael S. Weingarten, MD (above, right), professor of surgery in the College of Medicine; with interdisciplinary participation from Rose Ann DiMaria-Ghalili, PhD, and Juan Muniz, PhD, from the College of Nursing and Health Professions; and Mike Neidrauer, PhD, and Len Zubkov, PhD, from the School of Biomedical Science, Engineering and Health Systems.

The device has shown promising results in tests on patients and has a patent pending.

TRANSLATIONAL RESEARCH

A Hard Look at Liquor Sales

Drexel's emphasis on translational research encourages faculty to contribute fresh insights to problems of social relevance such as climate change, money in politics and criminal justice. This year, a Dornsife School of Public Health assistant professor applied her expertise in biostatistics to the issue of liquor privatization and violence.

In her new study, Loni Philip Tabb, PhD (right), analyzed the relationship between crime statistics and open alcohol sales in Seattle, Washington, when the state privatized liquor in 2011. She found an 8 percent increase in aggravated assaults by census block for each additional new off-premise liquor outlet that opened — a finding with important implications for policymakers debating privatization in Pennsylvania.



RESEARCH PARTNERSHIP

Drones and Big Data

In 2015, the government invited Drexel to join a coalition of experts who will advise the Federal Aviation Administration on rules for the commercial operation of drone aircraft. Drexel biomedical science and computer science experts will use neuroimaging to study the challenges faced by air traffic controllers, pilots and drone operators who manage volumes of data over long periods of time.

NEW DEAN

Welcome, Yi Deng

Yi Deng, PhD, joined Drexel as dean of the College of Computing & Informatics in September, becoming just the 11th dean to lead the college whose roots date back to the founding of the University.

Deng brings with him an accomplished background in higher education, building on experience as a professor and dean at both Florida International University and his most recent post at University of North Carolina-Charlotte.



NEW DEAN

Welcome, Paul Brandt-Rauf

Drexel's biomedical research enterprise has a new leader in Paul W. Brandt-Rauf MD, PhD, ScD, who began as dean of the School of Biomedical Engineering, Science and Health Systems in early 2017. He brings to Drexel his experience from a distinguished career at the University of Illinois in Chicago and Columbia University.



RESEARCH PARTNERSHIP

Army Collaboration

In 2015, Drexel joined the Army Research Lab's Open Campus program, which allows researchers from across the University access to Army scientists and research facilities. In return, Army scientists will have the opportunity to come to campus and work with Drexel researchers. The partnership also creates new experiential learning opportunities for students and connects them to federal career opportunities.

49th
in the world

37th
in the nation

103
new inventions received,
compared with an average of
50 annually at peer institutions

5
new startup companies

33
new license and
option agreements

TOP RANKED FOR PATENTS

Drexel was named 49th in the world and 37th in the nation for its number of U.S. patents in a July ranking of universities conducted by the National Academy of Inventors and Intellectual Property Owners Association. Drexel ranked ahead of such prestigious U.S. institutions as Princeton (No. 54), Yale (No. 71) and Northeastern (No. 80).

The list credits Drexel with 42 total patents for 2015, an achievement that Drexel reached despite having lower research expenditures of any university above it on the ranking.

Practical



Everything about Drexel's beginnings — from the choice for its location, to its birth in the midst of great economic and social upheaval, to the specific vocational mission directed by Anthony J. Drexel — speaks of the practical purpose that motivated its founder. A.J. Drexel's own hope was expressed in his common-sense maxim that a Drexel education should be “not only good, but good for something.”

A.J. Drexel intentionally built his institute at the hub of a busy transportation nexus, surrounded by some of the largest factories in the country at the time, at the heart of one of America's most important cities. Students arriving to class from their West Philadelphia boarding-house rooms and fraternities would trek daily past one of the nation's largest rail yards. They would hear and smell a massive stockyard teeming with cattle, as well as a nearby slaughterhouse. On the horizon in every direction, smokestacks billowed. The real world was right before them, and they were very much a part of it.

In the words of the keynote speaker at the institute's 1891 dedication, Drexel from its first day was determined to equip its students with “the weapons and armor for the battles of life.”

By the early 20th century, the institute's engineering discipline had initiated the first experiential learning program, and the forerunner of today's University-wide co-op experience was born. Over time, this emphasis on practical training and first-hand experience has become tightly woven into every aspect of life at the University, becoming Drexel's signature academic distinction.

Indeed, time travelers from the present day would say that the institute's founding values exemplified the modern expression “get real” — a century ahead of its time.



“Having permanent desk space on Drexel's campus has been great for building team morale. For a while, we were doing this out of our bedrooms. If we didn't have these resources, things would be a lot more difficult to continue the company.”

—Connor White (right), co-founder of Tern Water, with co-founder and current Drexel student Mohamed Zerban

ENTREPRENEURSHIP

A Fresh Idea, Made Real at Drexel

THE STORY BEHIND THE STARTUP TERN WATER HAS DREXEL'S COMMITMENT TO INSPIRING AND SUPPORTING STUDENT ENTREPRENEURIALISM WRITTEN ALL OVER IT.

An idea dreamed up by recent product design alumnus Connor White '15 and mechanical engineering senior Mo Zerban is about to become a reality. Drexel made it possible, they attest, and was there every step of the way.

White and Zerban met as student volunteers at a 2013 TEDx event on Drexel's campus. A year later, a Drexel professor recognized their shared interests and reintroduced them. Both had a dream to start a company dedicated to sustainability. Through the support of Drexel resources, mentors and advisers, the pair launched Tern Water in 2015 and set their sights on one product: the Tern Faucet. The eco-conscious “smart” faucet provides high-quality purification at the tap, live water analytics on water consumption, and live data on filter quality based on consumption rather than time.

“The idea is to transform a home from being a consumer to producer — producing home vegetation, solar power, etc. We see the Tern systems helping people become more capable of providing their own basic needs,” said White. “But, the first step is knowledge about the impact your house is having.”

Tern Water's philosophy earned the co-founders an invitation to join an international incubator and conference — thousands of miles away in Sweden, a nice chunk of seed money awaited White and Zerban. The

only problem was, they had three days to get there and no money. Visa issues prevented Zerban from traveling, so White turned to his mentors in Drexel's Close School of Entrepreneurship for help, and they eventually sponsored his trip to Sweden.

More support for the startup came from Drexel's Baiada Institute for Entrepreneurship, an on-campus business incubator where the company bases its operations.

“Having permanent desk space on Drexel's campus has been great for building team morale,” White said. “For a while, we were doing this out of our bedrooms. If we didn't have these resources, things would be a lot more difficult to continue the company.”

The team is now edging toward a commercial launch in spring 2017. For around \$250 and an annual membership fee, consumers will be able to attach the Tern Faucet to their kitchen sink and, through a smartphone app, gain real-time information about their water consumption and when filters need replacement.

“I think the Tern Faucet is the new standard for faucet filters,” White said. “After we launch, I think our competitors will catch up a little bit, but by that time we'll be moving on to the next product.”



GEHOSKY

TRANSLATIONAL RESEARCH

Inside Consumers' Minds

In the LeBow College of Business' Neuro-Business Solutions Center, an interdisciplinary group of business, psychology and biomedical professors and students are answering questions about everyday consumer behavior that marketers can put to immediate use.

One soon-to-be-published study looked at how consumers search for prices at retailers. Another looked at how Super Bowl ads affect different audiences.

The center uses fNIRS, or functional near-infrared spectroscopy, and other technology in its Behavioral Lab to examine consumer responses. In the study of Super Bowl ads, the team found that when people like a particular ad, a different portion of the brain activates. They also found gender differences. "Women tend to give a bad ad more of a chance, whereas men would close up and move on," said Associate Dean for Research Rajneesh Suri.

The center's work has attracted industry clients such as Pennsylvania-based SEI Investments Co., which worked with the center to assess consumer interfaces used on the company's website. Other firms in discussions to work with the center include MARS Drinks, Penn Mutual Insurance, PECO and Korman Communities.



TOP RANKED FOR FASHION

Westphal College of Media Arts & Design's undergraduate Fashion program was recently ranked No. 3 in the United States and No. 11 worldwide by *Business of Fashion*, a prestigious London-based fashion trade publication that publishes a ranking of the Top 50 Fashion programs in the world. Westphal operates eight nationally ranked programs in game design, graduate digital media, fashion design, design and merchandising, interior design, graduate interior architecture and design, product design and graphic design.

EXPERIENTIAL LEARNING

Courtroom as Classroom

In 2016, the Thomas R. Kline School of Law celebrated 10 years of providing students with unparalleled immersion in legal practice and real-world experience.

One such opportunity is the school's Appellate Litigation Clinic, through which students have argued cases in the First, Third and Seventh Circuits of the U.S. Court of Appeals. In one case, recent graduate Emily Derstine Friesen '16 (pictured below), was part of a team helping a man appeal his conviction for murder. Last fall, she went on to argue the case before a panel of judges in the U.S. Court of Appeals for the Third Circuit, a rare experience even for seasoned lawyers.

"It was a really powerful experience," Derstine Friesen recalled. "When we visited our client in prison, it was very moving to be able to put a face to the name and listen to his experiences. It was a tough case, and these types of cases are very difficult to win. But we really believed that we could make a difference."

And while the client's appeal was unfortunately denied, Derstine Friesen got irreplaceable experience she can use to help clients in her work as a practicing employment law attorney.

"Drexel emphasized service and doing justice in the community, and this was an excellent learning experience, a very formative opportunity," she said. "After having this experience, I felt more prepared to go into my job as a practicing attorney."



COOPERATIVE EDUCATION

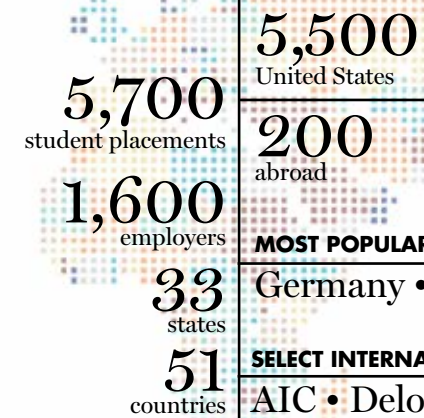
The Drexel Co-op Program

Each year, Drexel's signature co-op program provides thousands of students with real-world professional training with employers as early as sophomore year. Students may work in Philadelphia, across the United States, or travel abroad for unforgettable cross-cultural experiences.

Source: Steinbright Career Development Center, 2015-2016

ONE YEAR AFTER GRADUATION:

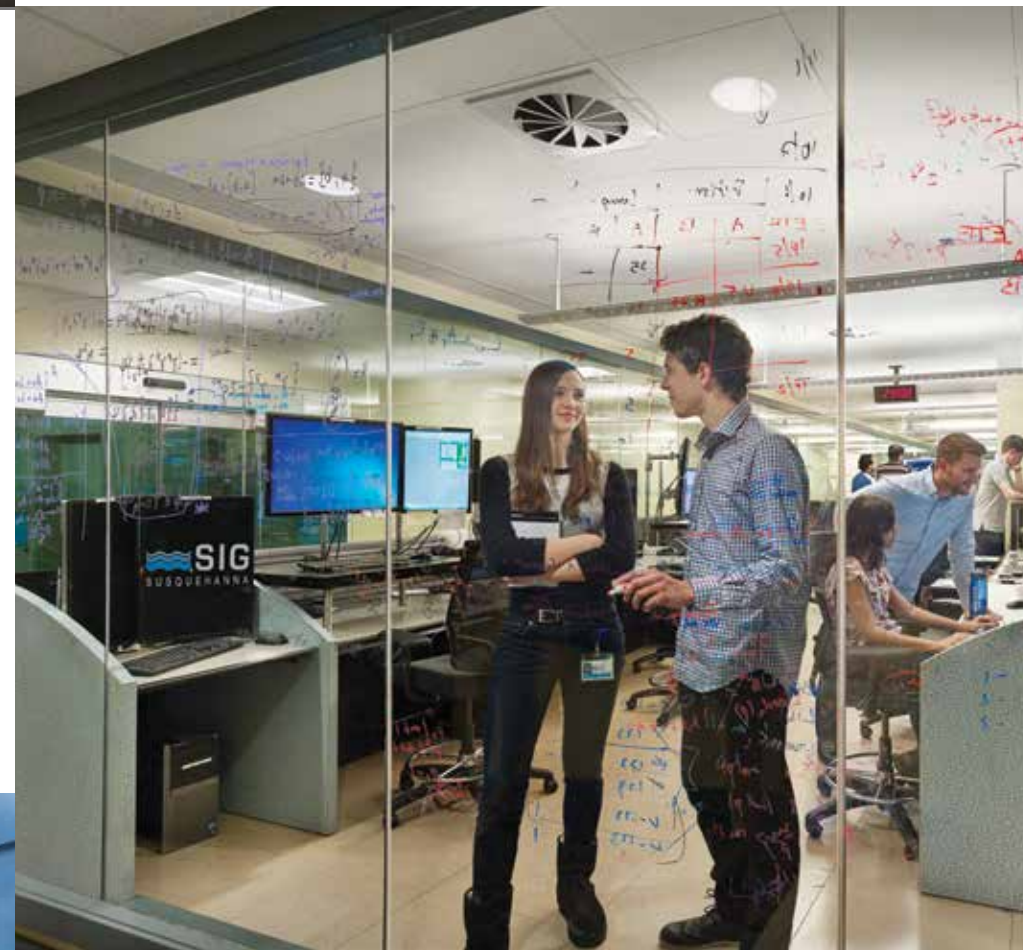
96% of 2015 Alumni: were working full-time (84 percent) or in graduate/professional school (12 percent). In addition, 84 percent of them also stated that co-op was already proving useful to their careers.



MOST POPULAR COUNTRIES:
Germany • Ireland • China • India • Singapore

SELECT INTERNATIONAL EMPLOYERS:
AIC • Deloitte • Siemens • Zumbotel

\$680 median weekly salary
\$715,000 in financial support for international placements



HALKIN/MASON

Co-op opportunities with employers like global trading firm Susquehanna International Group provide students with invaluable real-world experience.



FUSCO

DREXEL CO-OP

Politically Connected

Within a handful of years, political science alumnus Giancarlo Stefanoni '12 (pictured) went from being a student volunteer at a political debate to the head of statewide fundraising for Hillary Clinton's presidential bid — and he got there, he says, because of Drexel's co-op program.

A Democratic debate back in 2007 ignited Stefanoni's interest in politics and he volunteered for the Clinton campaign the following year. Through contacts he made along the way, he spent all three of his Drexel co-ops in politics working for Tom Wolf, Ed Rendell, Joseph Torsella, Robert Casey, Kathleen Kane and Katie McGinty, to name a few. In 2014, he was handpicked to be Clinton's Pennsylvania finance director.

Now, not even out of his 20s, Stefanoni can count among his colleagues and co-workers a broad swath of some of the most powerful figures in state and national politics.

"To say that my time at Drexel is the reason I'm where I am today is an understatement," said Stefanoni.

Inclusive

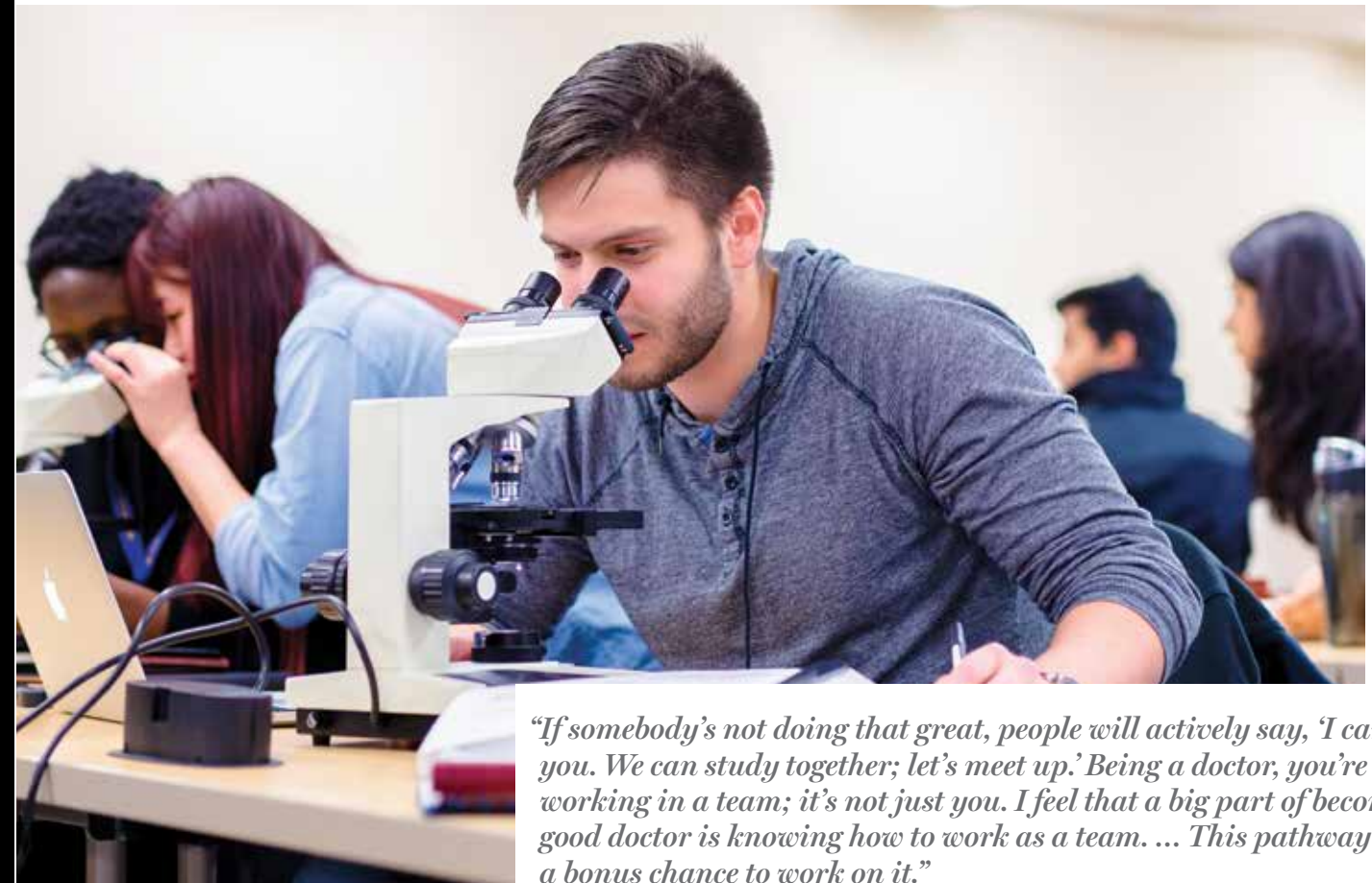


The groundbreaking approach to learning that Anthony J. Drexel brought to Philadelphia when he launched the Drexel Institute of Art, Science and Industry in 1891 was built on the conviction that a Drexel education should be within the reach of anyone with an ambition to build a better future for themselves, their family and their community.

Far from being the island of privilege that characterized most institutions of higher learning at that time, the institute would be open to working-class citizens without regard to gender, race or creed. Its purpose was to equip Philadelphians for prosperity in the new industrial age by giving them the vocational skills demanded by a rapidly changing economy.

Tuition would be reasonable, but 160 scholarships were offered to the most needy — just as today, Drexel supports high-potential students from low-income Philadelphia families. For women students, the Department of Domestic Economy was heralded as a means for them to acquire the skills needed to “fight for and win their rights.” And within a decade, the first African-American Drexel student had donned a graduation gown.

At its start, A.J. Drexel’s creation was hailed as the “founding of an institution planned to extend equal educational and cultural opportunities to women and to men,” and that spirit of opportunity for all remains vital to this day.



FUSCO

“If somebody’s not doing that great, people will actively say, ‘I can help you. We can study together; let’s meet up.’ Being a doctor, you’re constantly working in a team; it’s not just you. I feel that a big part of becoming a good doctor is knowing how to work as a team. ... This pathway gives us a bonus chance to work on it.”

—Alfredo Munoz, Drexel Pathway to Medical School student

OPPORTUNITY

A Bridge to Medical School

ENHANCEMENTS MADE THIS YEAR TO DREXEL’S PATHWAY TO MEDICAL SCHOOL PROGRAM GIVE UNDERREPRESENTED MINORITIES MORE OPPORTUNITY TO PURSUE THEIR DREAMS OF BECOMING DOCTORS.

For 24-year-old Chilean-born emigrant Alfredo Munoz, Drexel’s focus on diversity and culture was a compelling factor behind his decision to leave the University of Michigan where he studied neuroscience and attend graduate school in Philadelphia.

Drexel’s Pathway to Medical School program, which gives students from underrepresented minorities conditional acceptance to the College of Medicine, made his choice all the easier.

Munoz is one of 26 students currently enrolled in the pre-med master’s degree program. The transitional “bridge” program allows promising students an opportunity to enhance their academic record and prepare themselves for the rigors of medical school by taking medical school–equivalent and graduate-level courses.

“Those who meet the criteria can go right into white coat that very next August,” explained Assistant Professor Loretta W. Walker, PhD, who directs the program in the College of Medicine. “Everybody has a reserved seat in the College of Medicine. No other program has that. They’re not in competition with each other. So we get the best outcome for everybody.”

Though the program is rigorous, Munoz has found that having conditional acceptance to the medical school encouraged his cohort to be supportive and collegial. “If somebody’s not doing that great, people will actively say, ‘I can help you. We can study together. Let’s meet up,’” Munoz said. “Being a doctor, you’re constantly working in a team; it’s not just you. ... This pathway gives us a bonus chance to work on it.”

“It’s the hardest work they’ve ever done,” Walker said. “Many [DPMS students] say, ‘If I would have gone right into medical school, I would have failed. So I’m glad I went to DPMS! It’s hard work, but they bond together and they make friendships.’”

Initially founded as a certificate program, DPMS inaugurated the master’s degree in June 2015 with an entering class of 37 students. Of those, 23 were awarded degrees and 17 are now first-year medical students training to become doctors in the College of Medicine.



FACULTY ACHIEVEMENT

Health-Care Equity Champion

A medical and academic career devoted to improving minority health care has been its own reward for Ana E. Núñez, MD, who is Drexel's associate dean for diversity, equity and inclusion in the College of Medicine. In November 2015, her commitment to cultural diversity in medicine received external validation when she received the prestigious Herbert W. Nickens Award. In nominating her, former U.S. Surgeon General David Satcher, MD, PhD, wrote that Núñez "knows that unless we can connect with community in the context of its culture, we cannot move toward health equity."

CLOSING THE GENDER DIVIDE

The Woman One scholarship program run by the Institute for Women's Health and Leadership within the College of Medicine reached a milestone this year by awarding

\$100,000

to women from underrepresented populations who are studying to become physicians. Since the program's inception in 2003, it has helped 21 scholars become working physicians, and it is supporting nine scholars currently enrolled in the College of Medicine.



STUDENT ACHIEVEMENT

Education Without Borders

The past year was a whirlwind of media appearances and story bylines in international newspapers for Drexel University Online alumna Teru Clavel '14 (pictured), who was able to launch herself as an expert in multicultural childhood education thanks in large part to the diversity of perspective and freedom afforded by her online degree.

Online classes allowed Teru Clavel, a well-traveled Japanese-American raising a family in Shanghai, to bolster her cross-cultural interests with academic credentials while living overseas. "What I absolutely loved about the program was that I started in China and ... we moved to Tokyo. Not only could I carry it with me, but all of my professors will tell you that every single one of my papers was grounded in my surroundings," she said.

Through Drexel University Online, she completed an MS in global and international education, for which she wrote a thesis on how Japanese parents prepare their children for globalization.

It was while awaiting approval of her thesis that she began pitching articles to local publications. This eventually landed her a regular education column in *The Japan Times* and soon, she was writing a three-part series exploring English language education. Then came interviews on CNBC and CBS. In no time, she had made a name for herself as a multicultural, multilingual parent with expertise in education.

"I felt very, very lucky that this all happened," Teru recalled. "I felt like my career found me."



A LEADER IN ONLINE LEARNING

140+
accredited degrees and certificates

7,100
students annually

50
states

17
countries

In 2016, Drexel University Online celebrated its 20th anniversary of providing flexible, accessible education options to students. The program dates back to the earliest years of the internet; it offered its first online courses in 1995, and soon followed up with its first master's degree program, in information systems. Today, Drexel University Online offers more than 140 accredited degree and certificate programs and educates 7,100 students annually who hail from all 50 states and 17 countries.

BEST FOR VETS

Drexel's College of Engineering was one of 10 universities nationwide to be honored by the American Society of Engineering Education with an award for excellence in educating our nation's veterans. The award is given to major universities and colleges that have been named in several rankings: a top 60 "Best for Vets" school by *Military Times*, a "Military-Friendly School" by *GI Jobs Magazine* and a top 100 "Best for Vets in Engineering" school by *U.S. News and World Report*.

BEST FOR MINORITY BUSINESS

Drexel's LeBow College of Business ranked eighth in the nation this year for providing the greatest opportunity for minority students in the *Princeton Review's* annual ranking of top business schools.

NEW CENTER FOR JEWISH LIFE

The new Raymond G. Perelman Center for Jewish Life at Drexel (pictured below) opened in October 2016 as the campus home of Drexel Hillel. Within weeks of the ribbon cutting, it hosted High Holiday celebrations, an engrossing evening presentation by Holocaust survivor Judith Shamir and a 200-strong gathering over Family Weekend. As the first free-standing facility in Drexel history devoted to the experience of Jewish students, the center is a community of prayer, a place to learn and celebrate the joys of Jewish life, and to come together in times of challenge. The beautiful facility on North 34th Street, which was recognized by *Wired.com* in a list of "25 Masterpieces" of 2016, was made possible with the help of a \$6 million gift from Raymond G. Perelman, along with more than 40 other donors. It is the first building at Drexel constructed entirely through private philanthropy.



HAIKIN/MASON

FRESHMAN SNAPSHOT

This year's incoming freshman class was not only one of the University's most accomplished, but was also increasingly diverse.

17%
Asian

6%
African American

7%
Latino

12%
International



Cosmopolitan



It could be said that one of Anthony J. Drexel's founding values was chiseled in stone, literally.

By constructing the Main Building in the ornate, Italianate architectural style popular in Europe, A.J. Drexel was doing so much more than putting a solid and lasting roof over the heads of his faculty, students and administrators. He was sending a message. As Drexel scholar Amy Slaton has written, the building "declared at top volume" that industrial learning, labor and Western high culture were inseparable.

If there were any doubt about A.J. Drexel's intent, he positioned a museum and a library on the first floor of the Main Building — just steps from one of the nation's busiest industrial hubs. The collection of paintings, sculpture and artifacts acquired by A.J. Drexel

to outfit the museum were meant for study, but also for personal enrichment. Evening lectures, along with the library and reading room, were open to the public. All of it was accessible to anyone in Philadelphia — being only a short walk from a major train station — and, by extension, to any point on the map.

This dedication to worldliness in the midst of a hard-working industrial city may seem curious for a man so thoroughly anchored and devoted to his hometown. But A.J. Drexel also was a globally connected man of business whose dealings stretched from gold-rush California to Paris before the Eiffel Tower was built.

His institute would equip future generations to be just as adventurous.



"We're developing global citizens to help them understand intercultural issues and gain cross-cultural knowledge. Even our local society is a global society. The ability to understand and interact across cultures is something that every student should learn whether you're working here in University City in West Philadelphia or traveling across the world to Zambia."

—Shannon P. Marquez, PhD, associate vice provost of the Office of International Programs

GLOBAL CITIZENSHIP

Classrooms on Another Continent

A MIND-OPENING NEW INTERNATIONAL PROGRAM ENABLES STUDENTS TO WORK ALONGSIDE DEVELOPMENT PROFESSIONALS HELPING COMMUNITIES IN AFRICA.

OF THOSE WHO HAVE PARTICIPATED IN THE PROGRAM TO DATE:

45%
were from underrepresented populations

55%
were women

40%
were undergraduate co-op students

25%
were international students

When it comes to public health, the solutions to local crises sometimes originate a world away.

That's why Drexel created a unique cross-cultural program that sends students to villages in sub-Saharan Africa to work alongside professional development mentors on projects that directly improve lives, such as water, sanitation and hygiene.

The Dornsife Global Development Scholars program headed by Shannon P. Marquez, PhD, associate vice provost of the Office of International Programs, places students into intensely hands-on field experiences lasting three to six months.

Whether drilling wells in Ethiopia, raising malaria prevention awareness in Mozambique, or studying community programs for orphans in war-torn Rwanda, students leave theory far behind and see firsthand how lives can be changed through meaningful connection with other cultures.

Drexel public health graduate student Mom "Nini" Tatah Mentan discovered the stark difference between studying an issue in the classroom and being in the field while observing water access and sanitation challenges in Rwandese refugee camps.

"Everything changes if the weather changes," Mentan recalled. "You can do things like rainwater harvesting and you have more water than you can use.

But the dry season impacts people's access to water." Hygiene choices were also affected by the cost of a simple bar of soap, which was prohibitive for many, she learned. "It was under \$1, but it was still pretty high for the people who were living in the rural areas," she observed.

The three-year-old program — jointly implemented by the Office of International Programs and the Dornsife School of Public Health Office of Global Health — reached full operation for the first time in 2016 with 20 students in eight countries. With help from the development nonprofit World Vision International and the support of philanthropists Dana (LeBow '83) and David Dornsife, the program is on track to work with up to 25 countries.

"We're developing global citizens to help them understand intercultural issues and gain cross-cultural knowledge," said Marquez. "Even our local society is a global society. The ability to understand and interact across cultures is something that every student should learn whether you're working here in University City in West Philadelphia or traveling across the world to Zambia."

CIVIC WORKS

Introducing: Schuylkill Yards

The sense of civic responsibility that inspired Anthony J. Drexel to build an institute of learning lives on in the University's boldest, largest commitment to innovation and inclusion.

In March, President John Fry unveiled a 20-year, \$3.5 billion development project with Philadelphia-based master developer Brandywine Realty Trust that will remake the skyline and the economy of West Philadelphia.

Named "Schuylkill Yards," the ambitious project will transform a strategic swath of Drexel's University City Campus located adjacent to 30th Street Station into mixed-use high-rises, public green spaces, labs and classrooms, retail and promenades — creating an exciting, inclusive new community of residents, businesses and academics. The project will leverage Drexel's research capacity and talented faculty and students by attracting innovation-minded, tech-forward companies interested in partnering with Drexel's researchers, utilizing our co-op program and hiring our young professional graduates.

In addition, as the project develops over the next two decades, Drexel has the opportunity to receive more than \$200 million in ground lease payments for the University's endowment to invest, the return from which will be allocated to student scholarships, faculty support and academic programs.

The development, which is being built and managed by Brandywine, is expected to create thousands of jobs and generate tens of millions of dollars in tax revenue.



SHOP ARCHITECTS & WEST 8

Drexel Square, part of phase 1 of Schuylkill Yards.



Schuylkill Yards and 30th Street District Plan



Korman Quadrangle

THIRD-PARTY INVESTMENTS

Drexel is a leader in using creative partnerships with third-party developers to put Drexel's land assets to work to improve campus quality of life and revenue resources, at no cost to the University.

Vue32: Radnor Property Group is building a 176,000-square-foot, 16-story apartment tower, marketed to graduate students and young professionals, with market-rate townhomes plus a child-care center at 3201 Race Street.

The Study at University City: Developer Hospitality 3 is finishing a 212-room hotel with meeting space, a restaurant and a fitness center at 33rd and Chestnut streets.

University City High School site: Wexford Science and Technology is developing the former public school site with part of the site reserved to house a new public school that would expand schooling options for the neighborhood and benefit from the support of the School of Education's faculty.



The Study at University City



University City High School site

Vue32



ART & CULTURE

Object Lessons

Drexel has a long tradition of cultivating the aesthetic sensibilities of its students through art appreciation, and the past year was no different.

The Drexel community and the public had unprecedented access to one-of-a-kind artifacts within the Robert and Penny Fox Historic Costume Collection of the Westphal College of Media Arts & Design, which is a collection of more than 12,000 garments, textiles and accessories.

Rare treasures came out for display, some for the first time ever, when Drexel staged "Immortal Beauty: Highlights from the Robert and Penny Fox Historic Costume Collection," an exhibition of historically unique garments in the collection. And last spring, the costume collection also starred in an exhibit and series of public events on Philadelphia's legacy of fashion called "Philadelphia in Style: A

Century of Fashion from the Robert & Penny Fox Historic Costume Collection." In 2016, Penny (HD '13) and Robert Fox (HD '13) expanded on their initial \$1 million naming gift with another \$2 million to establish a Center for Historic Costume Exhibition and Research that will bring the collection to the public through a permanent display gallery and public programming.

The collection continues to grow in both reputation and holdings. Last September, Drexel was entrusted with a gift of nearly 700 couture-level ensembles from the James G. Galanos Foundation. The garments date from the 1960s to the famous designer's retirement in 1998, and will form The James G. Galanos Archive at Drexel University.





STUDENT ACHIEVEMENT

Broad Horizons

Each year, highly motivated Dragons compete with young scholars from around the globe for nationally competitive fellowships and scholarships to expand their academic and cultural horizons. In 2015–16, at least 75 Drexel students and recent alumni were recipients or honorees for more than 90 highly competitive awards, with a combined overall value of more than \$3.5 million.



Among them was Caitlin Walczyk (pictured), a pre-junior in the College of Arts and Sciences who won a prestigious national Boren Award to study in Kazakhstan, making her the first Dragon in history to conduct sponsored study in the Eastern European republic. The Boren Award is a nationally competitive award for students who want to study a language and work in regions critical to U.S. interests; honorees serve for at least one year with the U.S. government in national security after they graduate.

That's perfect for Walczyk, who hopes to join the Department of State in the Foreign Service. "I couldn't have asked for a better opportunity to fulfill all of my academic and professional dreams," she said.



INTERNATIONAL VISITORS

Drexel's classrooms are enriched by the perspectives of thousands of non-U.S. citizens who come here to study on student visas.

2,826 international students
16% of all students
6 continents

TOP FIVE COUNTRIES OF ORIGIN
 China • India
 Vietnam • South Korea
 Saudi Arabia

Source: International Students, Scholars and Services, 2015–2016

TOP AWARDS IN 2015–2016

- 4 National Science Foundation Graduate Research Fellowships
- 2 Fulbright U.S. Student Grants and 1 Fulbright English Teaching Assistantship
- 4 Boren Awards for International Study
- 5 NIH Graduate Fellowships and Grants
- 5 Benjamin A. Gilman International Scholarships
- 1 Udall Scholarship (Drexel's 3rd ever)
- 3 Department of Defense Science, Math and Research for Transformation Scholarships
- 2 National Defense Science & Engineering Graduate Fellowships
- 2 Goldwater Scholarships
- 2 National Oceanic and Atmospheric Agency Ernest F. Hollings Scholarships (Drexel's first)
- 1 Presidential Management Fellowship
- 1 AIF Clinton Fellowship for Service in India
- 1 U.S. Department of Energy Office of Science Graduate Student Research Fellowship
- 1 U.S. Department of State Critical Language Scholarship
- 1 Whitaker International Fellowship

Source: Drexel Fellowships Office, 2015–2016.

Overseas Experience

During the 2015–2016 academic year, the Office of International Programs and the Study Abroad Office supported hundreds of students and faculty on overseas exchanges and international experiences. They also facilitated a dozen new "Global Classroom" interactions in which Drexel students collaborate on learning projects with students at partner universities abroad. OIP also sent eight faculty members to COP 21, the international climate change conference in Paris.

STUDY ABROAD

775 students participated

\$115,550 scholarships distributed

\$50,590 allocated to international experience for faculty and students

\$56,100 in travel grants awarded to faculty and graduate students for international conferences

GLOBAL CLASSROOMS

12 new

40 total

1,500 students participated



DAD VAIL REGATTA

ON THE FIELD, COURT, GREEN AND RIVER

Drexel Dragons had a dynamite year of athletic achievements here and abroad, with standout performances on the Schuylkill and on campus, in contests stretching from England to Brazil.

May 2016: Drexel's crew teams won the Dad Vail Regatta for the fourth year in a row.

June 2016: The men's crew team competed in the prestigious 2016 Henley Royal Regatta in England and won for the first time in the competition despite past qualifications in 1972 and 2012.

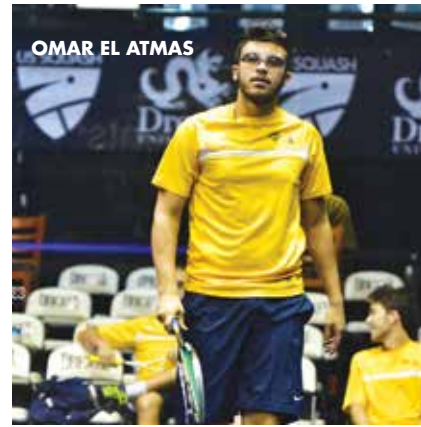
June 2016: Chris Crawford, a senior golfer, qualified for the U.S. Open this year — the first Drexel player ever to do so — and participated along with some of the top professional players in the sport.

August 2016: Steve Kasprzyk '05 competed in the Summer Olympics in Rio de Janeiro as part of the United States men's eight crew team. The team finished just shy of a medal in fourth place.

October 2016: Drexel's men's and women's squash programs were ranked nationally in the top 10, the highest ranking Drexel has received since the sport started on campus four years ago, and featured the teams' first All-Americans, student-athletes Omar El Atmas and Hayley Hughes.



HAYLEY HUGHES



OMAR EL ATMAS



STEVE KASPRZYK



CHRIS CRAWFORD

THOUGHT LEADERSHIP

Rights of Athletes

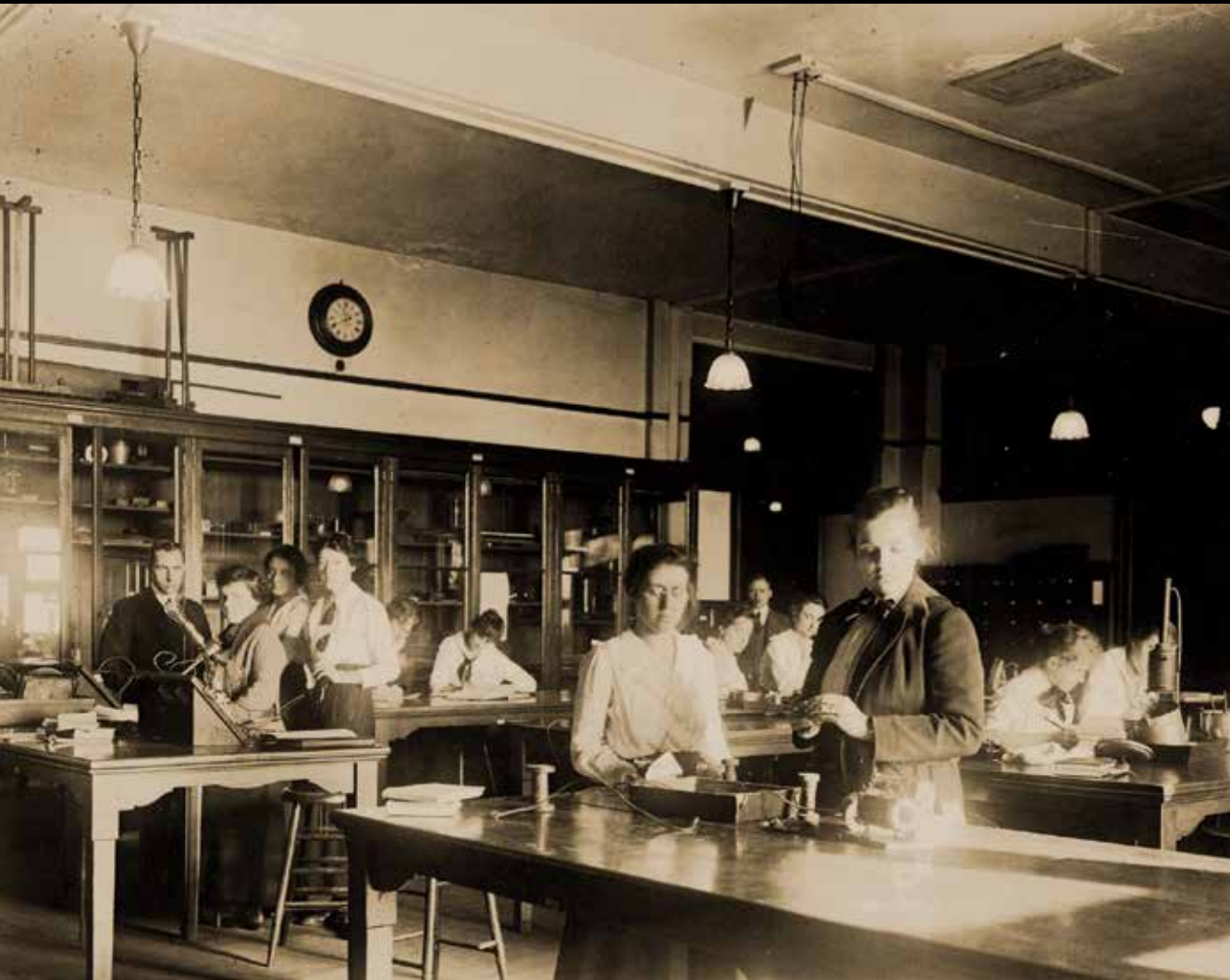
Drexel took a leadership role in the national debate about the rights of college athletes to unionize when its Center for Hospitality and Sport Management hosted leading thinkers and experts for a major conference in March.

The three-day event, "College Athletes' Rights & Empowerment Conference: Visioning A New Paradigm of College Sport," brought together more than 220 scholars, journalists, lawyers, athletes and students, including 20 Drexel graduate and undergraduate sport management majors. It was hosted in partnership with the National Constitution Center and directed by Sport Management Professor Ellen J. Staurowsky, PhD.



MEN'S CREW

Engaged



The generosity that motivated Anthony J. Drexel to create what was one of the best-endowed educational institutions of his day was partly a spirit of his age, when many wealthy capitalists were constructing monuments to their own memory. But A.J. Drexel also was pleased to leave a legacy for a community that had embraced his family. He was the first-generation American son of an immigrant who arrived in Philadelphia from Austria with few possessions apart from an unquenchably adventurous ambition. Very quickly, A.J.'s father, Francis Martin Drexel, formed ties with his adopted city in the new world, and A.J. deepened those connections, becoming intimate with the city's trades,

newspapers, banks and the lives of its leading families.

As A.J. Drexel expanded his father's enterprise, growing wealthy even beyond Gilded Age standards, he understood that a great fortune — the biblical reminder about "to whom much is given" — brings with it deep responsibilities.

To Philadelphia he bequeathed a guild-like education that would give its citizens opportunities to compete in America's industrialization boom, knowing that their successes would redound to the credit of his city and nation.



"We have such great pools of research and teaching talent across Drexel, that when there are opportunities to connect cultural organizations and their challenges to those strengths — along with our students' energy and fresh perspectives — it can be pretty magical."

—Ros Remer, PhD, vice provost and Lenfest executive director, Center for Cultural Partnerships

CIVIC WORKS

Building Up the Arts

DREXEL'S NEW CENTER FOR CULTURAL PARTNERSHIPS IS DEEPENING PHILADELPHIA'S RICH COMMUNITY OF ARTS AND CULTURAL INSTITUTIONS BY SHARING THE UNIVERSITY'S HANDS-ON, INTERDISCIPLINARY EXPERTISE.

Anthony J. Drexel believed that his institute should serve as a cultural touchstone for those without access to art and historical objects. One of his first priorities was to furnish his fledgling school with a museum, endowed with an extensive and expensive art collection, that he opened to the public at no charge.

That spirit of public improvement through art is exemplified today in Drexel's Center for Cultural Partnerships, which brings students, faculty and administrators together to help local cultural organizations promote themselves and improve their educational offerings to the public.

Since the center's launch in August 2015, it has partnered with local arts and culture organizations such as the Reading Terminal Market and the African American Museum in Philadelphia on real-world interdisciplinary student projects, including interpretative planning and space allocation topics that blend classroom and field experience.

Most recently, the center completed its largest project to date when it helped to open the National Museum of Industrial History in Bethlehem, Pennsylvania. The museum had languished in development for nearly two decades, yet in just over a year, Vice Provost and Lenfest Executive Director Rosalind Remer, PhD, put together a team to build the museum's exhibits from scratch so that it could open its doors in August.

"We have such great pools of research and teaching talent across Drexel," explained Remer, "that when there are opportunities to connect cultural organizations and their challenges to those strengths — along with our students' energy and fresh perspectives — it can be pretty magical. Students get unparalleled hands-on experience, engage with an important sector and learn more about the community in which they live."



HEALTH SCIENCE

Empowered Mothers

Mothers in Philadelphia who suffer from postpartum depression have a place to turn to for help thanks to a new outpatient clinical program Drexel launched in 2016.

Mother-Baby Connections is the first of its kind in the region and one of only five or so programs in the country to provide therapies to new mothers who are struggling with mental health imbalances after childbirth.

Drexel's eight-week, interdisciplinary program emphasizes the mother's relationship with her baby and encourages patients to bring their children to therapy.

From left, Bobbie Posmontier, PhD, associate professor in the College of Nursing and Health Professions, and Pamela Geller, PhD, associate professor in the College of Arts and Sciences, pose in a clinical room at Parkway Health and Wellness, where the Mother-Baby Connections program is offered.

ACADEMICS

Feed the STEM Pipeline

Drexel's Center for the Advancement of STEM Teaching and Learning Excellence (CASTLE) was already nurturing the University's top talents in STEM education when it got the opportunity to extend its mission nationwide.

In October, Drexel became one of 25 research universities to be added to the Center for the Integration of Research, Teaching and Learning (CIRTL), a one-of-a-kind national learning initiative aimed at increasing the number and diversity of STEM faculty around the country.

Already, Drexel is one of CIRTL's 46 member universities — along with Yale University and Johns Hopkins University, for example — that collectively produce one-third of all STEM doctoral degrees in the United States.



FUSCO

JOB READINESS

Honing Work Skills Online

Fulfilling the founder's promise to welcome students from all walks of life begins early at the University — for some students, well before they even reach college age.

Working with young teens, the Digital On-Ramps program — a workforce development program in the Office of University and Community Partnerships at Drexel — this past year joined a national digital badging initiative called LRNG Philly.

LRNG is an online platform focused on providing year-round, connected learning experiences for youth. It is funded in part by the John D. and Catherine T. MacArthur Foundation, which selected Philadelphia as one of eight cities to launch the initiative over the summer.

Digital On-Ramps and LRNG both help teens to understand the need to budget their time, present themselves well, set goals and gain experience with technology.

Through the program, students complete tasks — say, writing a résumé, creating an e-portfolio, or completing a playlist of experiences they enjoy — and in return they receive a digital badge that can be displayed to prospective employers or in support of their college applications.

For a student like Sarah Wright (pictured), 16, a high school junior in Mastery Charter School in Philadelphia, the LRNG initiative offers her a feeling of independence as she hones her job skills, plus a new incentive and a tangible sign — in the form of the badge — of her accomplishments.



COMMUNITY ENRICHMENT

Tackling Food Insecurity

A unique restaurant opened in the fall near Drexel's campus in response to an alarming statistic: A quarter of Philadelphia residents don't have reliable access to affordable food.

To address this need, Drexel's Center for Hunger-Free Communities and the Center for Hospitality and Sport Management partnered with chef Marc Vetri's Vetri Community Partnership, Giant Food Stores and others to open a pay-what-you-can eatery called the EAT Café.

The café, located at 3820 Lancaster Ave., is the first of its kind to have the backing of a higher education institution, in addition to close collaboration with community members.

Philadelphia restaurateur Marc Vetri '90 and Mariana Chilton, PhD, professor in the Dornsife School of Public Health and director of the Center for Hunger-Free Communities.

Drexel Contributions to the City

\$2.1M FOR NURSE-LED HEALTH CARE

Drexel's nationally recognized, nurse-led Stephen and Sheller 11th Street Family Health Services provides primary care, dentistry and other services for the underserved in North Philadelphia.

\$1.7M FOR QUALITY OF LIFE

Drexel contributes millions annually toward safety ambassadors, beautification and supporting new businesses.

PARTNERS INCLUDE: University City District, The Enterprise Center, Schuylkill River Development Corporation

\$5.2M FOR MEDICAL CARE FOR CITIZENS IN NEED

The clinical practices of the College of Medicine provide care to thousands of low-wealth patients every year.

\$30M FOR COLLEGE ACCESS

This includes Liberty Scholars, which provides full Drexel scholarships to 50 Philadelphia high school graduates with economic need each year, along with financial assistance to other Philadelphia students.

\$9.3M FOR POLICING

Drexel Police provides extra eyes on the streets through regular patrols and dispatcher-staffed emergency callboxes.

As of January 2017



Stephen and Sandra Sheller 11th Street Family Health Services Center



COMMUNITY

Tomorrow's Scholars

Anthony J. Drexel's dedication to improving the lives of Philadelphians through education many generations ago continues to inspire Drexel's support of public schools in West Philadelphia.

This year, Drexel proudly helped the School District of Philadelphia and nonprofit Inquiry Schools launch a new middle school in a temporary location inside Drexel's Dana and David Dornsife Center for Neighborhood Partnerships.

The Science Leadership Academy Middle School is a public school that currently serves 88 fifth-grade students, and over time it will grow to hold 360 students in grades 5-8.

In addition to providing space for learning, Drexel is nurturing the new school through the involvement of its School of Education faculty, who are helping the school develop a curriculum that incorporates technology and inquiry-driven learning practices.

Pictured (left to right): Chris Lehmann, assistant superintendent of Innovative Schools in the School District of Philadelphia; President John Fry; Timothy Boyle, principal of the Science Leadership Academy Middle School; Councilwoman Jannie Blackwell; William Hite, EdD, superintendent of the School District of Philadelphia; unidentified SLA-MS 5th-grade student; Nancy Butler Songer, PhD, dean of the School of Education; Marjorie Neff, former chair of the School Reform Commission; Lucy Kerman, PhD, vice provost for University and Community Partnerships.



NEIGHBORHOOD SERVICES

Community Connectors

One of the many ways Drexel engages community residents is by training students, faculty, staff and alumni to better help them tap into social services.

Hundreds of programs, agencies and organizations exist that can aid residents in low-income areas like West Philadelphia's neighboring Powelton and Mantua neighborhoods, but the social services landscape can be complex.

In January Drexel launched UConnect, an initiative that trains Drexel personnel to help local residents navigate housing, education and employment social services, among others. Managed by the College of Arts and Sciences, the Lindy Center for Civic Engagement and the Dornsife Center for Neighborhood Partnerships, UConnect also avails students to take a community-based learning course, taught by a trained faculty member, to learn more about neighborhood issues.

UConnect got a boost in April when it won \$40,000 at the Service Year + Higher Ed Innovation Challenge, a national competition in which universities "pitch" their ideas in a "Shark Tank" format.

1891–2016



1891

The Drexel Institute of Art, Science and Industry is officially dedicated at a ceremony attended by over 2,000 people, including luminaries such as Andrew Carnegie, Thomas Edison and J.P. Morgan.

James A. MacAlister (1891–1913), formerly the first superintendent of Philadelphia's public school district, is appointed the institute's inaugural president.



1893

The institute's founder Anthony J. Drexel unexpectedly dies of a heart attack on June 30, just 18 months after the school's opening.

1895

Drexel becomes one of the first educational institutions with a formalized men's basketball team. The women's team follows one year later.



1826-1893



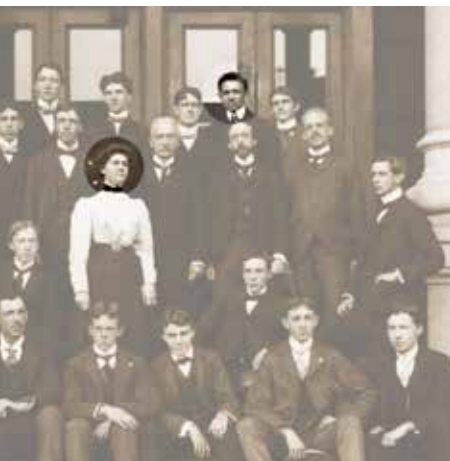
1899

The "Drexel Ode" becomes the University's school song.

1900s

1901

The Department of Architecture graduates Drexel's first African-American graduate, William Pittman (who goes on to become a famous architect) and the first woman to complete the program, Pauline Conway.



1913

After being commissioned to survey Drexel's facility as an engineer, Hollis Godfrey (1913–1921) becomes Drexel's second president. Godfrey reforms facilities, remakes curricula, corrects inefficiencies and ushers in Drexel's transformation beyond a vocational school.



Drexel's yearbook Lexerd (Drexel spelled backwards) is published.

1914

Drexel, originally a diploma or certification-granting institution, is allowed to grant its first bachelor's degrees, starting with engineering.

1918

Drexel's Evening School is founded, bringing together all evening courses, classes and lectures under one entity.

1919

Drexel switches from the term system to the quarter system it still offers today.

The four-year co-op program officially begins in the College of Engineering. Within 10 years, Drexel established co-ops with Honeywell, Bell, RCA, Bethlehem Steel, Link Belt, General Electric and Westinghouse.

Though co-ed from the start, Drexel confers its first degrees to women in 1919.

1920s

Originally, Drexel's school colors were orange and silver. In the early 1920s, the Athletic Association adopts blue and gold for Drexel teams, a choice later ratified by the University's trustees as "gold with blue."

1921

Kenneth G. Matheson (1921–1931) is named president. During his tenure, he triples enrollment, increases the endowment, wipes out Drexel's deficit, expands the co-op program and grows the size and quality of the campus.



1926

The independent student newspaper *The Triangle* is published.

1928

The first instance of the Drexel "dragon" appears in a *Triangle* story about the football team. A physical Drexel Dragon mascot is created the following year.

1930s

1931

Drexel's first dormitory, the women's-only Sarah Drexel Van Rensselaer Dormitory, opens. Named after the founder's daughter, the dormitory is now co-ed and called Van Rensselaer Hall.

1932

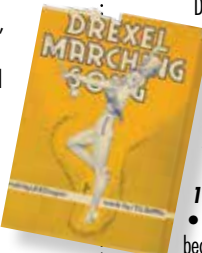
Parke R. Kolbe (1932–1942) begins his presidency. Kolbe decentralized Drexel's administration and developed educational programs to support national defense as the threat of U.S. involvement in World War II loomed.

1936

The Drexel Institute of Art, Science and Industry changes its name to the Drexel Institute of Technology.

1938

Todd Groo '41 and Gay V. Piercy '39 create the Drexel fight song. Once common at sporting events, the song fades into oblivion after the football program is eliminated in the '70s, only to stage a comeback more recently.



1940s

1942

George Peters Rea (1942–1944) becomes president. A financially savvy but controversial figure, Rea sometimes made decisions without consulting the Drexel community, such as selling Drexel's art and manuscript collection.



1943

The engineering program begins accepting women students, who within several years organize women at other engineering schools into the national association known today as the Society of Women Engineers.



Society of Women Engineers

1945

James Creese (1945–1963) becomes president after serving as vice president of the Stevens Institute of Technology. Creese presides over a post-war burst in enrollment and the expansion of Drexel's campus and curriculum.



1950s

1955

Stratton Hall is completed and named after Leon D. Stratton, who had recently passed after serving Drexel for 43 years.

1959

Drexel's new library (and current Korman Center), which includes space for the library school and an audiovisual center, opens on the quad.

1960s

1963

William W. Hagerty (1963–1984) is named president. Hagerty grants twice as many degrees as any of his predecessors, establishes several new schools and colleges plus a graduate program and expands the campus footprint from 10 to nearly 40 acres.



1963

The Student Activities Center, now known as the Creese Student Center in honor of President Creese, opens.

1967

Drexel begins conferring PhDs in certain fields in the sciences, engineering and mathematics.

1970s

1970

Drexel Institute changes its name to Drexel University.

1973

Drexel's "Women's Army" program is one of the first such programs to admit women with the same scholarships and other benefits as men.

1975

The Physical Education Athletic Center (later renamed the Daskalakis Athletic Center in 2000 after alumnus John Daskalakis '63) opens.



1980s

1983

Drexel becomes the first university to require students to have a personal computer. The following year, Drexel unveils the Macintosh to its student body through a first-of-its-kind partnership with Apple Computer Inc.

1984

William S. Gaither (1984–1987), a former University of Delaware dean, becomes president. Gaither creates 11 new majors, increases alumni giving and works on programs to enhance minority student enrollment.



1987

Harold M. Myers (1987–1988), who served Drexel University as an instructor, administrator and trustee over five decades, becomes president on an interim basis.



1988

Richard Breslin (1988–1994), a former Catholic priest and president of the University of Charleston in West Virginia, becomes president. He increases alumni giving, strengthens Drexel's basketball program and starts the tradition of installing Drexel logos on lampposts and railroad trestles.



1989

The LeBow Engineering Center opens. It houses the College of Engineering and is named after Bennett S. LeBow, '60, HD '98. The LeBow College of Business is named after LeBow, who donated \$10 million in 1999 to the then-College of Business and Administration.



1990s

1991

The Honors Program launches with 33 inaugural students. In 2003, the program is remade into the Pennoni Honors College named after alumnus and former trustee C.R. "Chuck" Pennoni, who served as interim University president in 1994 and again in 2009.

1995

Constantine "Taki" Papadakis (1995–2009) becomes president. He doubles full-time undergraduate enrollment and faculty size, triples freshman applications, and quintuples the University's endowment and research funding.

1997

Drexel's longtime mascot, the Drexel Dragon, is named "Mario the Magnificent" after alumnus Mario Mascioli '45, who famously never missed a basketball game in 25 years.

2000s

2000

Drexel cements its reputation as a technology leader by becoming the first major American university to offer wireless-wifi and personal computers to faculty and staff.

2001

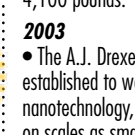
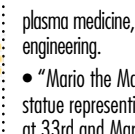
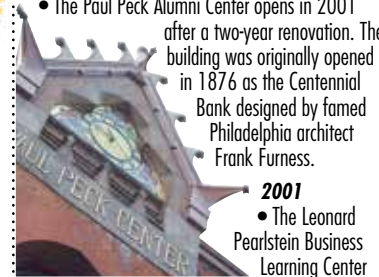
The Paul Peck Alumni Center opens in 2001 after a two-year renovation. The building was originally opened in 1876 as the Centennial Bank designed by famed Philadelphia architect Frank Furness.

2001

The Leonard Pearlstein Business Learning Center is completed and named after Leonard Pearlstein, a late major Drexel benefactor.

2002

After assuming operations for the bankrupt Allegheny University of the Health Sciences, Drexel merges with the institution in 2002 to create what are now the College of Medicine, Dornsife School of Public Health and College of Nursing & Health Professions.



2010s

2010

John Fry becomes president after serving as president of Franklin & Marshall College and executive vice president of the University of Pennsylvania. His vision for Drexel includes transforming the University into what he has termed the "modern urban university of the future" — an institution that harnesses both its long-established and still-emerging strengths to serve its students, its neighborhood, its city and the nation.

2011

Vision 2020 launches in the College of Medicine's Institute for Women's Health and Leadership. The program advances economic and social equality for women.

2011

The Papadakis Integrated Sciences Building opens. It is home to research and teaching laboratories for biology, chemistry and paleontology and features North America's largest living biowall.



Drexel acquires the Academy of Natural Sciences, the oldest natural science research institution and museum in North America with extensive collections of 18 million specimens and natural artifacts.

2012

The A.J. Drexel Autism Institute is founded as the first research organization built around a public health science approach to addressing the challenges of autism spectrum disorders.

2013

Gerri C. LeBow opens as the new home of the LeBow College of Business. It was named after the wife of Drexel benefactor and alumnus Bennett S. LeBow, '60, HD '98, who donated \$45 million for its construction.



2014

The University's historic costume collection of garments, textiles and rare articles of clothing is named the Robert and Penny Fox Historic Costume Collection after a \$1 million naming gift from the Fox family.

The Dana and David Dornsife Center for Neighborhood Partnerships, an "urban extension" community center providing services and space to Drexel's neighbors, opens with a \$10 million gift from international philanthropists Dana and David Dornsife.

Thomas R. Kline, noted trial attorney and chairman of the law school's board, makes the biggest donation in Drexel history: a \$50 million gift to the School of Law, which was renamed in his honor.



2016

Drexel and master developer Brandywine Realty Trust unveil Schuylkill Yards, a bold, 20-year project to create a master-planned community of high-rises, public green spaces, labs and classrooms, retail and promenades adjacent to Drexel's campus and Amtrak's 30th Street Station.

Among a year-long schedule of events, lectures and other commemorations of the University's 125th anniversary, Drexel releases a new book of its history titled, "Building Drexel: The University and Its City, 1891–2016."



Gifts and Fundraising

FY16
PRIVATE PHILANTHROPY
TO THE UNIVERSITY

\$120.7 million



HALKIN/MASON

SUMMARY

Fiscal year 2016 concluded with several milestones that reflect a rising tide of support for Drexel's mission and future. Private philanthropy to the University totaled \$120.7 million, surpassing Drexel's FY16 goal by \$700,000 and beating FY15 by \$5.3 million. This marks the third year in a row of achieving a record-breaking fundraising total.

We also saw significant increases in donor participation among key constituencies — an important indicator of the continued strength of Drexel's fundraising program. The Drexel Fund secured 15,316 donors, representing a four-year high and 2,000 more donors than the previous fiscal year. This includes a 9 percent increase in undergraduate alumni donors, 6 percent increase in total alumni donors, 57 percent increase in donors who are recent graduates (2000–2016), and an astonishing 881 percent increase in student donors.

Central to this year's successes were the \$45 million naming gift to the Dornsife School of Public Health from Dana Dornsife (BS '83, HD '14) and David Dornsife (HD '14); a record fundraising year for the Academy of Natural Sciences of Drexel University, which raised \$15.4 million; and our hugely successful inaugural Day of Giving, during which 2,887 donors gave \$713,514 in just 24 hours.

In 2017, we will publicly launch the most significant fundraising campaign in Drexel's history. Campaign priorities include: increasing the endowment, particularly through scholarships and professorships; accelerating multidisciplinary discovery and innovation; pioneering approaches in teaching and learning; and creating new pathways for student success.

GIFTS

Harry C. Bartels Jr., BS '48, MS '56, made a gift establishing the Harry C. Bartels Jr. '48 '56 Endowed Engineering Faculty Development Fund, which provides grants to promising junior faculty in engineering.

Trustee **R. John Chapel Jr., BS '67, and his wife Virginia** made a gift naming the John and Jinnie Chapel ACHIEVE Center and Dragon Lounge, which supports student-athletes as they balance the demands of coursework and varsity sports.

Dana (BS '83, HD '14) and David Dornsife (HD '14) made a \$45 million commitment naming the Dana and David Dornsife School of Public Health. This gift — one of the largest in Drexel history — will allow the Dornsife School to strengthen its urban health initiatives, attract and retain top faculty, and enhance educational programs and research productivity.

Eli Fromm (BS '62, MS '64), the Leroy A. Brothers Professor in Electrical and Computer Engineering, and his wife Dorothy made a gift naming the Helen and Siegfried Fromm Chapel in the Raymond G. Perelman Center for Jewish Life.

The Isaac and Carol Auerbach Family Foundation awarded \$3 million to the Isaac L. Auerbach Cybersecurity Institute, the vanguard organization for Drexel's research, educational and entrepreneurial activities in cybersecurity.

Thomas A. Masci Jr., BS '68, made a gift to create an expanded Veterans Resource Center, support the Commuter Business Learning Community, and establish a tutoring program for students in the LeBow College of Business.

Deborah Jane Tuttle, MD '82, and John P. Piper, MD '83, made a bequest to establish the Deborah J. Tuttle and John P. Piper Vice Dean for Educational Affairs in the College of Medicine.

The William B. Dietrich Foundation made a significant lead gift to the Academy of Natural Sciences for the historic renovation of the Academy's library reading room, a project that will transform the space into a magnificent setting for a new exhibit. Alongside the gallery, the Academy will create a new Library Research Center to preserve and improve accessibility to the historic library and archives collections.

Financial Summary



Dana and David Dornsife School of Public Health

FINANCIAL POSITION

At a time of escalating competition and price sensitivity within higher education, Drexel University has implemented a new student enrollment and retention strategy that is already paying dividends. Drexel University is financially stable, with "A" ratings and "Stable" outlooks from both Moody's and Standard & Poor's ratings agencies. Over the past three fiscal years, senior leaders across the University have identified ways to increase revenues besides tuition, and to reduce expenditures and increase efficiency without compromising our core investments in academic quality. Our vision to create an even stronger Drexel is well within reach.

As of June 30, 2016, total net assets grew to \$1.22 billion from \$1.21 billion in FY2015 and comprised \$623.7 million in unrestricted net assets, \$236.8 million in temporarily restricted net assets for specific purposes and \$360.1 million in permanently restricted net assets for endowments and student loans.

Total assets increased by \$35 million during FY2016 to \$2.11 billion. Cash totaled \$128.8 million, an increase of \$22 million over FY2015, and is supported by continued strength in the University's financial position. Accounts receivable, net of allowances, totaled \$147.8 million, including \$75.2 million in tuition receivables, \$62.7 million in sponsored program grants and contracts, \$7.8 million in patient charges and \$2.1 million due to the College of Medicine from Tenet Healthcare Corporation.

Contributions receivable, net of allowances and discounts, increased by \$28.9 million to \$117.8 million mainly due to the generous donation from Dana and David Dornsife to the School of Public Health.

Total liabilities increased by \$25.2 million during FY2016 to \$892.1 million. This increase is related to increases in accounts

payable (\$0.8 million), accrued expenses (\$1.5 million), deferred revenue (\$22 million), government advances for student loans (\$0.8 million), post-retirement and pension benefits (\$14.3 million) and is offset by decreases in deposits (\$2.8 million) and bonds and notes payable (\$11.5 million).

ACTIVITIES

Total operating revenue was \$1.04 billion. Net student revenues totaled \$619 million, reflecting a slight decline of \$9 million due to changes in enrollment strategy to attract and retain a top-tiered student population. The University's operating expenses totaled \$1.01 billion.

The change in net assets from operating activities was \$28.6 million. The total change in net assets, including operating and non-operating activities was \$9.9 million. Non-operating activities includes endowment and other gifts, realized and unrealized net loss on investments net of endowment payout and other non-operating activities.

ENDOWMENT

As of June 30, 2016, the portfolio market value was approximately \$663.4 million, including certain participating trusts and non-pooled investments, down from \$684.1 million in FY2015. This total includes the \$63.7 million Academy of Natural Sciences of Drexel University endowment. Performance of total pooled assets was -2.1 percent, underperforming the policy index due to declining international equity and energy markets. Total assets decreased in value due to declines in investment values and the annual spend disbursement exceeding the amount of gifts received.

Consolidated Statements

DREXEL UNIVERSITY AND SUBSIDIARIES CONSOLIDATED STATEMENT OF FINANCIAL POSITION AS OF JUNE 30, 2016

(in thousands)

	<u>2016</u>
ASSETS	
Cash and cash equivalents	
Operating cash	\$ 116,559
Restricted	12,277
Accounts receivable, net	
Tuition	75,181
Grants, contracts and other	62,666
Patients	7,848
Tenet Healthcare Corporation	2,127
Total accounts receivable, net	<u>147,822</u>
Contributions receivable, net	117,762
Other assets	31,667
Funds held by trustees	1,804
Student loans receivable, net	31,026
Malpractice insurance trust	9,398
Beneficial interest in trusts	48,212
Investments	663,881
Land, buildings and equipment, net	932,160
Total assets	<u><u>2,112,568</u></u>
LIABILITIES	
Accounts payable	59,174
Accrued expenses	114,481
Deposits	19,601
Deferred revenue	140,993
Capital lease	2,741
Government advances for student loans	29,360
Postretirement and pension benefits	78,539
Bonds and notes payable	447,193
Total liabilities	<u>892,082</u>
NET ASSETS	
Unrestricted	623,656
Temporarily restricted	236,774
Permanently restricted	360,056
Total net assets	<u>1,220,486</u>
Total liabilities and net assets	<u><u>\$2,112,568</u></u>

DREXEL UNIVERSITY AND SUBSIDIARIES CONSOLIDATED STATEMENT OF ACTIVITIES FOR THE YEAR ENDED JUNE 30, 2016

(in thousands)

	<u>TOTAL</u>
OPERATING REVENUE	
Tuition and fees	\$ 888,564
Less: Institutional financial aid	<u>(269,583)</u>
Net student revenue	618,981
Patient care activities	99,789
State appropriations	8,074
Government grants and contracts	94,077
Private grants and contracts	24,199
Private gifts	42,388
Endowment payout under spending formula	25,605
Investment income	2,736
Sales and services of auxiliary enterprises	86,872
Other sources	32,693
Total operating revenue	<u>1,035,414</u>
OPERATING EXPENSE	
College programs	369,432
Research and public service	117,292
Academic support	27,926
Student services	49,628
Institutional support	143,243
Scholarships and fellowships	17,804
Auxiliary enterprises	39,100
Total education and general	<u>764,425</u>
Patient care activities	117,601
Other operating expense	64,894
Interest	16,278
Depreciation and amortization	43,606
Total operating expense	<u>1,006,804</u>
Change in net assets from operating activities	<u>28,610</u>
NON-OPERATING ACTIVITY	
Endowment and other gifts	42,547
Realized/unrealized net loss on investments, net of endowment payout	(50,273)
Other non-operating loss	(11,027)
Change in net assets from non-operating activities	<u>(18,753)</u>
Change in net assets	<u>9,857</u>
NET ASSETS	
Beginning of year	<u>1,210,629</u>
End of year	<u><u>\$1,220,486</u></u>

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