

# Drexel University

# CATALOG 2011-2012

COLLEGES & SCHOOLS MAJORS MINORS GRADUATE PROGRAMS CERTIFICATE PROGRAMS ARCHIVE

## About Drexel University

### Mission Statement

To serve our students and society through comprehensive integrated academic offerings enhanced by technology, co-operative education, and clinical practice in an urban setting, with global outreach embracing research, scholarly activities, and community initiatives.

### Yesterday, Today, and Tomorrow

In 1891, near the end of a long and prosperous life, Philadelphia financier and philanthropist Anthony J. Drexel founded the Drexel Institute of Art, Science and Industry. As society's need for technically proficient leaders grew, so did Mr. Drexel's institution, first becoming the Drexel Institute of Technology in 1936, and then Drexel University in 1970.

Drexel University is privately controlled, nonsectarian, and coeducational.

Today, nearly 13,500 undergraduate and over 9,000 graduate students attend Drexel's nine colleges and four schools:

- [The College of Arts and Sciences](#), which grants bachelor's, master's, and PhD degrees
- [The Bennett S. LeBow College of Business](#), which grants bachelor's, master's, and PhD degrees
- [The College of Engineering](#), which grants bachelor's, master's, and PhD degrees
- [The College of Information Science and Technology](#), which grants bachelor's, master's, and PhD degrees
- [The Antoinette Westphal College of Media Arts and Design](#), which grants bachelor's and master's degrees
- [The Goodwin School of Technology & Professional Studies](#), which grants interdisciplinary bachelor's and master's degrees, provides academic and professional support for all part-time undergraduate students, and offers continuing professional education courses
- [The School of Biomedical Engineering, Science, and Health Systems](#), which grants bachelor's, master's, and PhD degrees
- [The Goodwin School of Education](#), which grants bachelor's, master's, EdD and PhD degrees, and recommends issuance of Pennsylvania instructional and teaching certificates
- [The College of Nursing and Health Professions](#), which grants bachelor's, master's, and PhD degrees
- [The Drexel University College of Medicine](#), which grants MD, master's and PhD degrees
- [The School of Public Health](#), which grants master's and PhD degrees
- [The Pennoni Honors College](#), which enriches the University experience for students from all majors with demonstrated academic achievement and broad intellectual interests
- The [Earle Mack School of Law](#), which prepares students for the practice of law by offering a JD degree.

### Drexel Co-op

Drexel's 91-year old experiential learning cooperative education program is among the nation's oldest and largest. Undergraduates alternate on-campus study with full-time employment in fields related to their academic interests. More than 1,300 employer organizations in business, government, health care and education participate at locations in 30 states and 24 countries. The Steinbright Career Development Center (SCDC) is one of the most highly ranked co-op and career service organizations at any university in the country and works to ensure that students and alumni get the most from their experiential and career placement activities.

### Technology

Technology is integrated into every aspect of the Drexel educational experience, marking the university as a leader in educational innovation.

Drexel made history in 1983 when it became the first university to mandate that all students must have personal access to a microcomputer. This tradition of leadership in integrating state-of-the-art technologies into a Drexel education continued when Drexel in early 1998 inaugurated the first totally wireless library in the nation. In 2000, Drexel again made history by becoming the nation's first major university to offer completely wireless Internet access across the entire campus.

A pioneer in online learning, Drexel offers distance education programs leading to certificates and degrees in areas including engineering management, business administration, information systems and library and information science. In 2009-10, Drexel e-Learning enrolled more than 7,000 students in 65 programs.

Drexel is widely recognized for excellence in technology-based, experiential learning and is ranked among the best national doctoral universities by *U.S. News & World Report* in its "America's Best Colleges 2011." Drexel ranked second in the *U.S. News* 2011 poll of America's 'Up-and-Coming Schools.'

### Location



#### LEARN MORE

- [Drexel Home](#)
- [About Drexel](#)
- [Accreditation](#)
- [Academic Policies](#)

Drexel's 74-acre University City Main Campus is located in the vibrant University City district of Philadelphia, Pennsylvania. Drexel makes full use of its metropolitan setting by integrating Philadelphia and its resources into the classroom, co-op/internship experience, and student life, making it a model for other urban universities. The main campus is a 10-minute walk from Center City, the core of Philadelphia's commercial and business district.

Drexel teaches at four additional locations: the Center City Hahnemann Campus for the the College of Nursing and Health Professions and the School of Public Health; the Queen Lane Medical Campus in East Falls for the College of Medicine; the Drexel at Burlington County College campus in Mount Laurel, New Jersey; and the Sacramento, California, Center for Graduate Studies.

## Programs

### Academic Minor Programs

Drexel University offers undergraduates an academic minor option. Students who wish to complete an academic minor as part of their undergraduate program must meet the University's general education requirements, must acquire some depth of knowledge in a major field of study, and must demonstrate some breadth of interest and ability in a second field of inquiry. The academic minor should enhance the student's employability and acceptability to graduate and professional schools. For further information, see the [List of all Minors](#).

### Accelerated Degree Programs

The accelerated BS /MS, BS /MBA, BS/MD, BS /DPT, BSN/MSN, BS /PhD, and BS / MHS Physician Assistant are special degree programs that let academically qualified students earn both a bachelor's and an advanced degree in as few as five years — the time it usually takes to earn the bachelor's degree alone. Applicants should be aware that space limitations within these programs result in a much more competitive admission policy.

#### *BS /MD*

The BS /MD program allows students the opportunity to enter the Drexel University College of Medicine after three years of undergraduate study at Drexel. Acceptance into the program is limited. Interested students must apply to Drexel by December 1st of their senior year in high school.

#### *BS /MHS Physician Assistant*

BS /MHS Physician Assistant program allows the student the opportunity to enter the master's-level Physician Assistant program as an undergraduate after completing a predetermined number of undergraduate credits.

#### *3+3 BS /DPT – Physical Therapy*

The BS /DPT program allows students to earn both a BS with a major in biological sciences and a doctor of physical therapy (DPT) in six years.

#### *BSN/MSN*

The BSN/MSN program allows students to complete both the bachelor of science in nursing and the master of science in nursing degrees within five years. This program includes the Drexel Co-op experience.

#### *BS /PhD Program in Engineering*

The BS /PhD program allows students to complete a doctoral degree while concurrently pursuing their undergraduate engineering degree. The length of degree completion is determined in part by a student's preparation in mathematics and science prior to entering the University, and how quickly a student can complete their undergraduate coursework.

#### *BS /MS in Information Systems*

This program allows students to complete a bachelor's degree and one of the College of Information Science and Technology's master's degrees in information systems within five years. This program includes the Drexel Co-op experience.

#### *BS in Business/MBA*

This program offers business majors the opportunity to earn both a bachelor's and a master's degree in business within five years. This program includes the Drexel Co-op experience.

#### *BS in Music Industry/MBA*

This program offers the highly motivated and musically focused student a program that combines music theory and technology with the MBA degree.

#### *BS in Design and Merchandising/MBA*

This program combines study in the areas of fashion retail merchandising or product development with the MBA degree.

#### *BS /MS in Psychology*

This program allows students to complete both a bachelor's and master's degree in psychology in five years. This program includes the Drexel Co-op experience.

### Certification of Proficiency in a Foreign Language

The University awards an advanced-level Certification of Proficiency in a foreign language in recognition of exceptional ability in oral and written communication in that language. Certification is listed on the official college transcript.

Examinations leading to proficiency certification include listening comprehension, reading comprehension, and written analysis, and the ETS Achievement Test, which is also the qualifying examination for proficiency testing. Certification also requires successful completion of an extensive oral interview, with at least a "2" rating on the FSI/ACTFL rating scale. Certification indicates proven ability to function effectively in professional and social situations in a country in which the target language is spoken.

### Honors Program

The Pennoni College offers a number of academic options for its students. These opportunities are designed to be intensive, and are taught by faculty members who understand and accommodate Honors students' abilities and aspirations.

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These options include:

- Honors Colloquia: These interdisciplinary courses introduce students to topics not typically covered elsewhere. These courses are small, discussion-based, seminar style classes. Past Honors Colloquia topics include: The Hidden God in Cinema; Theory of Special Relativity; The Graphic Novel; Torture and Terrorism, and many others.
- Honors-Section Courses: These courses fulfill traditional major requirements but offer Honors credit. While the subject remains the same, the classes are taught to smaller groups, consisting entirely of Honors students, and on an advanced level that encourages discussion and practical application. Honors-section courses include, among other subjects, physics, English, business, general psychology, chemistry, and biology.
- Honors Options: With permission from their instructors and approval from the Honors Program, Honors students may elect to enhance non-honors courses to yield honors credit. The student and faculty member conducting may agree on the specific terms before the course begins and jointly submit a proposal to the Honors Program.
- Independent Study: Honors students frequently come across topics in their general coursework that they would like to investigate in greater detail. To accommodate this, the Honors College encourages students to study and research a topic of their choosing with guidance from a faculty member.

#### The Great Works Symposium

The [Great Works Symposium](#) is a series of team-taught, interdisciplinary courses, each one focused upon a great human achievement or important global problem. Each course typically has at least three instructors, representing three different academic disciplines, and typically there is a series of about ten guest lecturers, recognized experts on the topic, also representing a wide variety of disciplines and points of view. Each course is broader in its content than what could be covered by any one academic discipline or any single textbook, but each has a concrete center of focus. Each topic is broad and important enough that it is relevant to the education of any student.

#### ROTC

The [Army Reserve Officers' Training Corps](#), established at Drexel in 1918, is an integral part of the University. Army ROTC courses are open to all students, and enrollment alone does not carry a military obligation. Students selected for the advanced course (normally pre-junior, junior, and senior years) will complete their academic and military studies concurrently, and upon graduation will be commissioned as lieutenants in the United States Army, Army Reserve, or Army National Guard. Participation in the advanced course may qualify participants to receive financial aid through a series of scholarships and co-operative education programs. For further information, contact the Professor of Military Science, Drexel University, The Armory, 33rd and Market Streets, Philadelphia, PA 19104.

Drexel students are eligible to participate in the [Naval Reserve Officers' Training Corps](#) (NROTC) through a cross-enrollment agreement with the University of Pennsylvania. All naval science courses are held on Penn's campus. The NROTC program enables a college student to earn a commission in the Navy or the Marine Corps while concurrently satisfying requirements for his or her baccalaureate degree. Scholarship and nonscholarship programs are available.

Drexel students are eligible to participate in the [Air Force Reserve Officers' Training Corps](#) (AFROTC) through a cross-enrollment agreement with St. Joseph's University. All aerospace studies courses will be held on the St. Joseph's campus. The AFROTC program enables a college student to earn a commission as an Air Force officer while concurrently satisfying requirements for his or her baccalaureate degree.

#### Study Abroad

Drexel University's [Study Abroad](#) programs are open to students in all disciplines who meet the qualifications of each individual program. Please see the study abroad website ([www.drexel.edu/studyabroad](http://www.drexel.edu/studyabroad)) for eligibility requirements of each individual program and for the most up to date program offerings.

#### University Policy: Affirmative Action and Equal Opportunity

It is the policy of the University to provide a working and learning environment in which employees and students are able to realize their full potential as productive members of the University community. To this end, the University affirms its commitment to equal opportunity and nondiscrimination in employment and education for all qualified individuals regardless of race, religion, color, national origin, sex, age, sexual orientation, disability or applicable veteran status or any other characteristic protected by applicable federal or state law. Further, the University is committed to taking affirmative action to increase opportunities at all levels of employment and to increase opportunities for participation in programs and activities by all faculty, staff, and students.

Affirmative Action is directed toward racial and ethnic minorities, women, persons with disabilities, and Vietnam-era veterans. All member of the University community -- faculty, staff, and students -- are expected to cooperate fully in meeting these goals.

It is the policy of the University that no qualified individual with a disability shall, on the basis of the disability, be excluded from participation in University programs and activities. Disability is defined as any physical or mental impairment that substantially limits one or more major life activities; or having a record of such impairment; or being regarded as having such impairment. A qualified individual with a disability means an individual as defined above, who is capable of performing the essential functions of a particular job or of participating in a particular course of study, with or without reasonable accommodations for his/her disability. Reasonable accommodations are determined on a case-by-case basis.

