

BUSINESS AND ENGINEERING



Business and Engineering at Drexel

Drexel's LeBow College of Business offers three distinct undergraduate degrees: Bachelor of Science in Economics, Bachelor of Science in Business Administration, and Bachelor of Science in Business and Engineering. The Business and Engineering degree combines two of Drexel's most exciting programs, linking business and engineering to give students expertise in both fields. The program offers a broad-based business and engineering curriculum, enabling graduates to work successfully in technically oriented business positions.

Drexel Co-op for Business and Engineering

A key part of the program is Drexel's prestigious co-operative education program, in which students alternate periods of classroom study with periods of professional work experience. Business and Engineering students can choose from the following:

- Three Co-op Option (Five Years): includes three six-month periods of full-time employment
- One Co-op Option (Four Years): includes one six-month period of full-time employment

A Few Drexel Co-op Position Titles

- Facility Coordinator
- Geotechnical Field Technician
- International Finance Assistant
- Investment Analyst

Employers

Here are some of the companies that have hired Drexel students as co-op or full-time employees:

- Estée Lauder
- Filtrona
- ING DIRECT
- Johnson & Johnson
- Wyeth Pharmaceutical

Potential Careers

Industrial Engineer. Determines the most effective ways to use the basic factors of production — people, machines, materials, information, and energy — to make a product or to provide a service. Develops management control systems to aid in financial planning and cost analysis, and designs production planning and control systems to coordinate activities and ensure the quality of products.

Project Manager. Responsible for a project's success. Identifies and tracks the issues involved in carrying out the project, manages the plan of work, assigns and communicates responsibilities, and directs team members to ensure that the project is completed on time and within budget.

Sales Engineer. Works with the production, engineering, or research and development departments of their companies, or with independent sales firms, to determine how products and services can be designed or modified to suit customers' needs. May advise customers on how to effectively use the products or services provided.

Courses You'll Really Enjoy

Advanced Decision Making and Simulation. Applies modeling and mathematical techniques to complex decision problems, with a focus on nonlinearity and uncertainty in the business environment. Covers nonlinear and dynamic programming, queuing theory, Markov processes, decision analysis, and simulation.

Organizational Behavior. Provides conceptual understanding of various principles of management and organizational processes and the opportunity for skill-building in the areas of individual, interpersonal, and intergroup organizational behaviors.

Foundations of Intelligent Systems. Examines intelligent systems, which sense the environment, make decisions, and then act in appropriate ways. The knowledge necessary to understand how the system works is then introduced in segments that always relate back to the basic system. Introduces Boolean logic, theory of computation, steering logic, and sequential logic.

Learn More: University Catalog

A list of required courses for the Business and Engineering major is available online at www.drexel.edu/catalog.

Accelerated Degree Options

Accelerated degree programs, such as the BS/MD, BS/PhD in Engineering, BS/JD, and BS/MBA, enable academically qualified students to earn both a bachelor's and an advanced degree, graduating sooner than they would in traditional programs. Eligible students can be admitted to an accelerated degree program in one of two ways: apply as an incoming freshman through Undergraduate Admissions or apply to the Office of Graduate Studies after completing a minimum of 90 credits. To learn more about accelerated degree options, visit www.drexel.edu/em/ug/accelerated.

For More Information

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