DREXEL UNIVERSITY
LeBow
College of Business
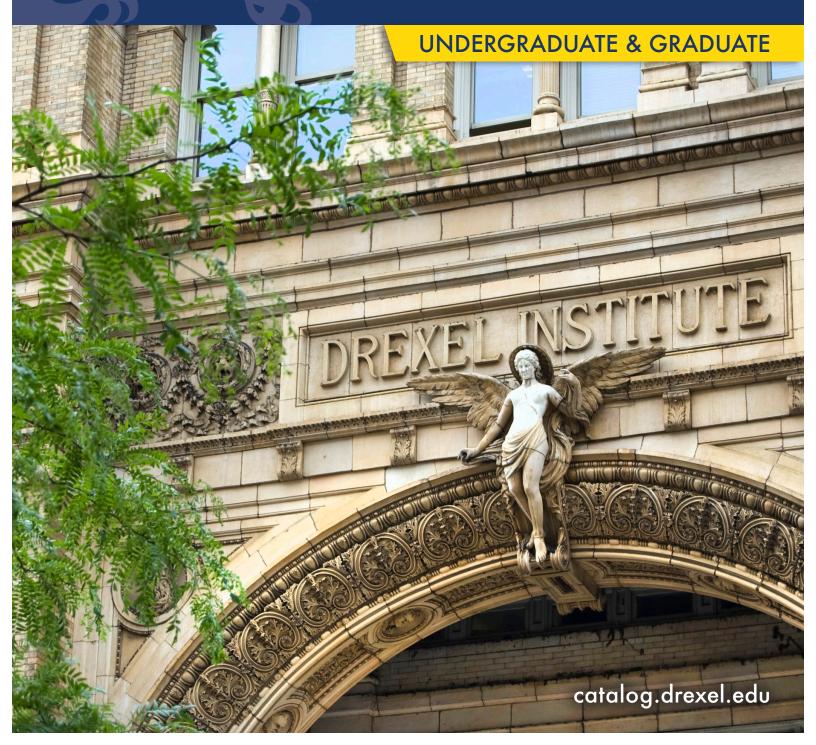
Catalog
2014-2015

DREXEL INSTITUTE

catalog.drexel.edu

LeBow College of Business

About the College

The mission of the LeBow College of Business is to integrate Drexel University's technological prominence with experience-based education to develop world-class leaders and advance knowledge through research. At the undergraduate level, this objective is accomplished by providing high-quality educational programs that integrate theory and practice. Drexel's highly regarded co-operative education program in which students interchange periods of academic study and full-time, off-campus employment with partner companies, sets us apart from other business schools

The College and its distinguished faculty are committed to advancing the science and practice of management through basic, applied, and instructional research in the various disciplines of business. The College maintains strong connections to business professions and the community through participation in professional organizations, a commitment to community service, and dedication to providing opportunities for lifelong learning. Drexel's LeBow College of Business—fully accredited by AASCB-International—offers four distinct undergraduate degrees, twelve majors, ten minors and three certificate programs.

Majors

- Accounting
- Business Analytics (co-major)
- Business and Engineering
- Business Economics (co-major)
- Economics
- Entrepreneurship
- Finance
- General Business
- International Business
- International Business (co-major)
- Legal Studies
- Management Information Systems
- Marketing
- Operations and Supply Chain Management

Minors

- Accounting
- Business Administration
- Economics
- Entrepreneurship
- Finance
- International Economics
- Legal Studies
- Management Information Systems
- Marketing
- Operations Management

Certificates

- Brand and Reputation Management
- Entrepreneurship
- Social Responsibility in Business

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About the Curriculum

BS in Business Administration Program

The Bachelor of Science in Business Administration program is designed to prepare students for managerial positions in business and other institutions. To accomplish this, the undergraduate curriculum has the following characteristics and goals:

- An early exposure to the structure and functions of business enterprises
- The bridging of theory and concepts with professional practice
- The integration of material across disciplines within business as well as between business and other fields
- The enhancement of effective communication, problem-solving, and interpersonal skills
- Coverage of the ethical issues inherent in a business setting
- Coverage of the global, political, social, and legal/regulatory environment in which businesses operate
- Coverage of the impact of technology and technological changes on the operation of the business enterprise
- An emphasis on career preparation
- Opportunities for experiential learning through traditional co-op programs and other "hands-on" opportunities

BS in Business and Engineering Program

The Business and Engineering Degree Program contains a broad-based business and engineering curriculum, enabling graduates to work successfully in technically oriented business positions. Students complete a set of broad functional business core courses along with a firm foundation in science, mathematics, and engineering. Students also study more deeply the areas of accounting, economics, finance, information systems, law, marketing, organizational behavior, entrepreneurship, operations, and statistics along with the functional areas of engineering.

Graduates of this program will be well prepared to participate in innovative technological efforts in business.

The Business and Engineering Degree Program gives students the opportunity to:

- Develop a breadth and depth of knowledge in functional business areas such as accounting, economics, entrepreneurship, finance, information systems, law, marketing, organizational behavior, operations, and statistics.
- Complete a broad education in engineering disciplines after completing a firm foundation in science and mathematics.
- Develop skills in technical communication and critical reasoning.
- Study ethical issues faced by managers and engineers, and understand technology from a historical perspective.
- Apply acquired skills from co-op work experiences to further enhance their knowledge base.
- Study entrepreneurship from a management and finance perspective for preparation in innovative technological efforts.
- Learn the operational aspects of business operations to improve the functioning of technically oriented businesses

BS in Economics Program

The Bachelor of Science in Economics program is designed to provide students with an understanding of the market system, as well as economic institutions, policies and development. In addition to this deep coverage of economics, the major includes liberal arts and sciences requirements. The program is flexible, allowing the student to customize the curriculum and choose areas of emphasis including concentrations in business economics or mathematical economics, as well as to select a coordinating field from other majors and minors at Drexel. The BS in Economics program provides excellent training for graduate school in economics.

BA in Economics Program

The Bachelor of Arts in Economics introduces students to modern economics within the context of a broad-based liberal arts curriculum. The degree is oriented toward students with interest in the less quantitative features of economics and a broader liberal arts education, particularly in areas offered by the College of Arts and Sciences. The degree gives students the flexibility to major or minor in a coordinate field outside of economics.

The Economics program:

- Provides a deep understanding of economics and broad training in arts and sciences.
- Enables students to apply acquired skills from co-op work experiences to further enhance their knowledge base.
- Prepares students for a wide variety of opportunities after graduations ranging from; corporate positions, consulting, government agencies, business, and law.
- Is a rigorous program that develops students' critical thinking and problem solving skills.

Degree Requirements

The Business Administration curriculum requires a minimum of 180.0 credits. The Business & Engineering curriculum requires a minimum of 185 credits. The Economics curriculum requires a minimum of 187.0 credits. The courses in each curriculum may be grouped into three categories:

General Education

The liberal arts comprise 50 percent or more of total credits required. Courses in communications, economics, English, history, mathematics, natural science, political science, psychology, sociology, and statistics teach students to think effectively and to communicate ideas to others. In addition, they provide a good understanding of the economic, social, and political systems within which we live and business operates.

Common Body of Knowledge in Business

Courses in accounting, business strategy and social responsibility, finance, law, organizational behavior, management information systems, production management, and marketing introduce students to all the functional areas of business, the quantitative aspects of decision-making, and the behavioral factors common to all organizational structures.

Major (BSBA) or Coordinated Field (BSECON & BAECON)

The curriculum permits students to pursue one or more majors within the (BSBA) programs. The major coursework and the common body of knowledge in business together comprise not more than 50 percent of the total credits required for graduation. In the Economic programs, students must select a coordinated field to augment the general education and economics course work.

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (http://drexel.edu/engphil/about/DrexelWritingCenter/wiCourses/course_list) on the Drexel University Writing Center (http://www.drexel.edu/engphil/writingcenter) page. Students scheduling their courses in Banner/DrexelOne can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Co-operative Education

The five-year co-operative education programs consist of 12 terms in college and six terms in co-operative employment. During the freshman year, students spend three terms in school (fall, winter, and spring) and have a summer vacation. For each of the next three years, students alternate two terms in school with two terms of co-op. The senior year consists of three terms in college with no co-operative employment.

The four-year co-operative education program consists of 12 terms in college and two terms in co-operative employment. The two terms of co-op experience take place in the third year.

The non–co-operative four-year program comprises 12 terms in school with vacations during the summers.

Co-operative education, academic eligibility requirements, acceptance of transfer students, and placement services are described in detail in other sections of this catalog. Students wishing to prepare for admission to professional schools may obtain preprofessional counseling from the Office of Preprofessional Programs, 215.895.2437.

Special Programs
Accelerated/Dual Degrees

LeBow College offers an accelerated BS/MBA and BS/MS degree programs that provides academically qualified students with the opportunity to earn both a bachelor's degree and an MBA or MS in Accounting in the time normally required for the undergraduate degree at Drexel University. The program combines the advantage of practical work experience in the renowned Drexel Co-op with the graduate credentials of our nationally recognized programs.

LeBow College also offers a five-year dual-degree program with the European Business School (ESB) at Reutlingen University in Germany. This exciting dual degree program allows undergraduate students to earn degrees from both Drexel University's LeBow College of Business and Reutlingen University's European School of Business. In total students will spend 18 months in Germany completing two semesters of study and one semester on Co-op.

Drexel in London

The College's *Drexel in London Program* offers flexible schedules for study abroad, ranging from six-week summer sessions to six-month (two-term) combined study and co-operative education programs in which students can earn up to 18 credits and fulfill one of their co-op requirements. The program's emphasis is on international business in general, with a particular focus on the United Kingdom and the European Union. Business course selections each year will be selected from the list of courses that constitute the international business concentration, but students in other concentrations may participate in the program. Housing is provided in South Kensington, one of central London's most desirable residential sections. Drexel in London applications are administered by the Study Abroad (http://www.drexel.edu/studyabroad) office, 215.571.3558.

Business Learning Community (BLC)

LeBow College's Business Learning Community (BLC) is a way of life at Drexel University - a cohort of freshman business students who live and attend classes together. The BLC was recently recognized by AACSB Accreditation Committee as a "strength and effective practice of the LeBow College of Business." The program is designed to ease transition to university life, enhance student academic performance, provide opportunities for student engagement and networking and improve the overall student experience.

LeBow BRIDGE

BRIDGE is a LeBow College of Business undergraduate program that provides support to students in four critical areas: academic excellence, financial literacy and social engagement and community service. BRIDGE scholars receive the tools to be successful through advising programs related to academics, financial skills, professional development, cultural awareness and community service.

Students work together to build relationships within a dynamic and diverse group experience. Mentors are also available to BRIDGE scholars to provide guidance and ensure a positive college experience. After freshman year, BRIDGE scholars can serve as peer mentors to underclassmen.

Global Classroom

The LeBow Global Classroom program prepares candidates to become 21st Century Executives, able to tackle the toughest business challenges in our increasingly globalized business world. Each year a select cohort of 20 high-potential students from around the world enters this rigorous global education experience to acquire the complex set of skills and attitudes to thrive in an increasingly uncharted and globalized marketplace. The learning community experience is akin to a "Global Classroom".

Peer Leader Program

LeBow College's Peer Leader Program is an outstanding learning experience for sophomore business students. Through a highly competitive application process, top-performing LeBow students with extraordinary leadership potential are identified, selected, trained and paired with UNIV 101 instructors to serve as mentors for new freshmen both inside and outside the classroom.

Summer Institutes

LeBow Summer Institutes offer an introduction to business education through exceptional summer programs designed for outstanding high school students with an interest in business. LeBow Summer Institutes offer the opportunity to maximize and develop the business and leadership skills sought after by employers and college admissions officers.

Accounting

Bachelor of Science in Business Administration (BSBA): 180.0 quarter credits

About the Program

The LeBow College of Business's accounting major is designed to provide basic conceptual accounting and business knowledge for careers in accounting and taxation in many settings. Courses cover accounting, auditing, tax preparation, and related topics. Students learn how accounting produces information for making decisions about organizations.

The greatest range of career opportunities are in public, private and government accounting. Professional accountants are normally certified as public accountants (CPA) or managerial accountants (CMA) after passing professional examinations. The University's co-op program provides an advantage to accounting students who plan to practice locally. Time spent working in co-op internship positions as a student is often accepted as part of the two years of accounting experience required for the Certified Public Accountant certificate in Pennsylvania and many other states.

Students planning to take the CPA exam must take additional accounting coursework. Interested students should contact the Department of Accounting (http://www.lebow.drexel.edu/Faculty/Departments/

Accounting) at the beginning of the third year to ensure ample time to fulfill such requirements.

Degree Requirements

Bachelor of Science in Business Administration (BSBA) Degree Requirements

General Education Requirements

ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
COM 270 [WI]	Business Communication	3.0
MATH 101	Introduction to Analysis I	4.0
MATH 102	Introduction to Analysis II	4.0
PHIL 105	Critical Reasoning	3.0
PSY 101	General Psychology I	3.0
UNIV B101 [WI]	The Drexel Experience	1.0
UNIV B201	Career Management	1.0
English literature elective ENGL 200 through ENGL 399		3.0
Fine Arts elective		3.0
History (HIST) elective		3.0
Select two of the following:		6.0
BIO 100	Applied Cells, Genetics & Physiology	
or BIO 101	Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	

General Education Electives

Students select seven (21.0 credits) general education electives, with a minimum of one course in each of the following three categories. Students take the remaining 12.0 credits from any of the topics listed under Additional General Education Electives.

Society and Culture	
Communication, English, Fine Arts, International Area Studies, Language or Philosophy	3.0
Social Science	
Anthropology, History, Sociology, Political Science, Psychology	3.0
Science	
Computer Science, Information Systems, Science	3.0

Additional General Education Electives

Twelve (12) credits must be earned by taking 4 courses from the following topics: Communication, English, Fine Arts, International Area Studies, Language, Philosophy, Anthropology, History, Sociology, Political Science, Psychology, Computer Science, Information Systems, Math, Science	12.0

Business Requirements

ACCT 115	Financial Accounting Foundations	4.0
ACCT 116	Managerial Accounting Foundations	4.0
BUSN 101	Foundations of Business I (Online students take BUSN 111)	4.0
BUSN 102	Foundations of Business II (Online students take BUSN 112)	4.0
BLAW 201	Business Law I	4.0

ECON 201	Principles of Microeconomics	4.0
ECON 202	Principles of Macroeconomics	4.0
FIN 301	Introduction to Finance	4.0
INTB 200	International Business	4.0
MGMT 450	Strategy and Competitive Advantage	4.0
MIS 200	Management Information Systems	4.0
MKTG 301	Introduction to Marketing Management	4.0
OPM 200	Operations Management	4.0
ORGB 300 [WI]	Organizational Behavior	4.0
STAT 201	Introduction to Business Statistics	4.0
Select one of the following:		4.0
BUSN 451	Business Consulting	
MGMT 260	Introduction to Entrepreneurship	
MGMT 451	Management Simulation	
STAT 202	Business Statistics II	

Major Requirements

Eight required courses (See Major Requirements list below)	32.0
Free Electives	20.0
Total Credits	**180.0**

Required Accounting Major Courses

ACCT 321	Financial Reporting I	4.0
ACCT 322	Financial Reporting II	4.0
ACCT 323	Financial Reporting III	4.0
ACCT 329	Advanced Accounting	4.0
ACCT 331	Cost Accounting	4.0
ACCT 341	Principles of Auditing	4.0
TAX 341	Individual Income Taxes	4.0
TAX 342	Business Income Taxes	4.0
Total Credits		**32.0**

A minimum of 20 Elective (BUSN/ Non BUSN) credits are required to fulfill degree completion. Students planning to take the CPA exam should review the educational requirements established by the State Board of Accountancy in the state in which they plan to sit for the examination. Students are qualified to sit for the examination in Pennsylvania by meeting the degree requirements above. Students planning to apply for a CPA license in Pennsylvania have to obtain the equivalent of 150 semester (225 quarter) credit hours, including 36 semester (54 quarter) credit hours in accounting subjects.

Sample Plan of Study

Term 1		Credits
BUSN 101	Foundations of Business I	4.0
ECON 201	Principles of Microeconomics	4.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
MATH 101	Introduction to Analysis I	4.0
UNIV B101 [WI]	The Drexel Experience	1.0
	Term Credits	**16.0**
Term 2		
BUSN 102	Foundations of Business II	4.0
ECON 202	Principles of Macroeconomics	4.0

ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
MATH 102	Introduction to Analysis II	4.0
	Term Credits	**15.0**
Term 3		
ACCT 115	Financial Accounting Foundations	4.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
PSY 101	General Psychology I	3.0
Social science elective		3.0
Society and culture elective		3.0
	Term Credits	**16.0**
Term 4		
ACCT 116	Managerial Accounting Foundations	4.0
STAT 201	Introduction to Business Statistics	4.0
History (HIST) elective		3.0
Select one of the following:		3.0
BIO 100 or 101	Applied Cells, Genetics & Physiology Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	
	Term Credits	**14.0**
Term 5		
BLAW 201	Business Law I	4.0
COM 270 [WI]	Business Communication	3.0
INTB 200	International Business	4.0
Select one of the following:		3.0
BIO 100 or 101	Applied Cells, Genetics & Physiology Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	
	Term Credits	**14.0**
Term 6		
ACCT 321	Financial Reporting I	4.0
MKTG 301	Introduction to Marketing Management	4.0
OPM 200	Operations Management	4.0
ENGL 200 - ENGL 399 course		3.0
	Term Credits	**15.0**
Term 7		
ACCT 322	Financial Reporting II	4.0
FIN 301	Introduction to Finance	4.0
MIS 200	Management Information Systems	4.0
Science elective		3.0
	Term Credits	**15.0**
Term 8		
ORGB 300 [WI]	Organizational Behavior	4.0
ACCT 323	Financial Reporting III	4.0
PHIL 105	Critical Reasoning	3.0
General education elective		3.0
	Term Credits	**14.0**
Term 9		

ACCT 329	Advanced Accounting	4.0
TAX 341	Individual Income Taxes	4.0
General education elective		3.0
Free electives		4.0
	Term Credits	**15.0**
Term 10		
ACCT 331	Cost Accounting	4.0
ACCT 341	Principles of Auditing	4.0
UNIV B201	Career Management	1.0
General education elective		3.0
Free elective		4.0
	Term Credits	**16.0**
Term 11		
TAX 342	Business Income Taxes	4.0
MGMT 450	Strategy and Competitive Advantage	4.0
General education elective		3.0
Free electives		4.0
	Term Credits	**15.0**
Term 12		
Select one of the following:		4.0
BUSN 451	Business Consulting	
STAT 202	Business Statistics II	
MGMT 451	Management Simulation	
MGMT 260	Introduction to Entrepreneurship	
Free electives		8.0
Fine arts elective		3.0
	Term Credits	**15.0**

Total Credit: 180.0

Co-op/Career Opportunities

Public, private, and government accounting provide the greatest range of career possibilities. Professional accountants are normally certified as public accountants (CPA) or managerial accountants (CMA) after passing the appropriate professional examinations.

Drexel's co-op program provides an added advantage to accounting students who plan to practice locally; time spent working in co-op positions as a student is often accepted as part of the two years of accounting experience needed for CPA certification in Pennsylvania.

Drexel's accounting graduates accept positions in public accounting, private industry, government, and nonprofit organizations. Many also choose to continue their studies in graduate schools, pursuing such degrees as the MBA, master's in taxation, or the PhD.

Overall, Drexel's graduates enjoy a high placement rate. International business graduates are employed in a variety of corporate settings, including the pharmaceutical, banking and telecommunication industries. Some students pursue graduate studies or find employment in multilateral governmental organizations.

Visit the Drexel Steinbright Career Development Center (http://www.drexel.edu/scdc) page for more detailed information on co-op and post-graduate opportunities.

Minor in Accounting

Requirements

- No more than 2 courses or 8.0 credits required by a student's major may be counted towards this minor.
- A grade of "C" (2.0) or better must be earned for each course in this minor for it to be counted.
- No more than two transfer courses may be used to complete this minor. Transfer credits must be taken before matriculated at Drexel.
- Students should check the pre-requisites of all classes when selecting electives. It is the responsibility of the student to know pre-requisites.
- Business administration and business & engineering students may complete any of the business minors, including: accounting, business, economics, entrepreneurship, finance, international economics, legal studies, management information systems, marketing, and operations & supply chain management.
- Cannot do a major and a minor in the same field of study.

All prospective students should meet with an advisor from the College as soon as possible. Call 215.895.2110 to set up an appointment.

Required Courses

ACCT 115	Financial Accounting Foundations	4.0
ACCT 116	Managerial Accounting Foundations	4.0
Select four of the following:		16.0
ACCT 321	Financial Reporting I	
ACCT 322	Financial Reporting II	
ACCT 323	Financial Reporting III	
ACCT 331	Cost Accounting	
ACCT 341	Principles of Auditing	
TAX 341	Individual Income Taxes	
TAX 342	Business Income Taxes	
Total Credits		**24.0**

Accounting and Tax Faculty

Hsihui Chang, PhD *(University of Minnesota) KPMG Professor of Accounting*. Professor.

Hiu Lam Choy, PhD *(University of Rochester)*. Associate Professor. Financial accounting.

Anthony P. Curatola, PhD *(Texas A&M University) Joseph F. Ford Professor of Accounting*. Professor. Federal and state income tax policy, retirement income taxation, fringe benefits taxation, educational savings and tax incentives, federal and state income tax research.

Xin Dai, PhD *(University of Minnesota)*. Assistant Professor. Empirical capital markets research, including insider trading, accounting regulation, and disclosure.

Patricia L. Daniel Derrick, PhD *(The George Washington University)*. Associate Clinical Professor.

Hubert Glover, PhD *(Texas A&M University) Department Head*. Associate Clinical Professor. International financial reporting.

Barbara Murray Grein, PhD *(University of North Carolina)*. Associate Professor. Auditing, auditor selection, audit adjustments, audit fees, corporate governance, financial reporting.

Curtis M. Hall, MBA *(University of Arizona)*. Assistant Professor. Strategic cost management; corporate governance; capital markets research in accounting; human capital investment.

Kevin K. Jones, EDB *(Georgia State University)*. Assistant Clinical Professor.

Natalya V. Khimich, PhD *(University of Califormia at Berkeley)*. Assistant Professor. Equity valuation, earnings quality, and accounting for innovation and intangible assets.

Stacy Kline, MPA, CPA *(Temple University)*. Clinical Professor. Individual, corporation; S corporation and partnership taxation.

Johnny Lee, PhD *(University of Utah)*. Associate Clinical Professor. Accounting information systems; Managerial accounting; Supply chain management; e-business.

Gordon Ndubizu, PhD *(Temple University)*. Professor. Financial accounting.

Duri Park, PhD *(Ohio State University)*. Assistant Professor. Financial accounting, insider trading, investments, and cash holdings.

Bernhard Reichert, PhD, CPA *(University of Texas at Austin)*. Assistant Professor. Behavioral research in accounting and experimental economics.

Mark Vargus, PhD *(University of Pennsylvania)*. Assistant Professor. Capital market research and executive compensation.

Jennifer Wright, CPA, MTA Master of Tax Accounting *(Villanova University) Assistant Department Head*. Associate Clinical Professor.

Courses

ACCT 115 Financial Accounting Foundations 4.0 Credits
Introduces preparation of the income statement and the balance sheet. Covers analysis and recording of business transactions and a detailed study of accounting for assets, liabilities, and equity.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

ACCT 116 Managerial Accounting Foundations 4.0 Credits
Introduces the managerial accounting tools and models available for planning, controlling, and decision-making. Covers budgeting, product costing, and analysis of financial statements for internal purposes.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: ACCT 115 [Min Grade: D]

ACCT 120 Accounting Essentials for New Ventures 4.0 Credits
The course covers essential accounting topics specific to new entrepreneurial ventures. Topics include: Financial Statement, cash flow issues, cost accounting, tax calculations, and choice of business entity.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

ACCT 195 Financial Accounting 115 Practicum 0.5 Credits
The course provides students with tools and resources to supplement the Financial Accounting Foundations course, ACCT 115, an essential course for success in most business programs of study. The Financial Accounting 115 Practicum course will provide a variety of study strategies and employ various skill development exercises to assist the student in improving their understanding of financial accounting and assimilating fundamental learning competencies.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

ACCT 196 Managerial Accounting 116 Practicum 0.5 Credits
The course provides students with tools and resources to supplement the Managerial Accounting Foundations course, ACCT 116, an essential course for success in most business programs of study. The Managerial Accounting 116 Recitation course will provide a variety of study strategies and employ various skill development exercises to assist the student in improving their understanding of managerial accounting and assimilating fundamental learning competencies.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

ACCT 320 Fundamentals of Accounting for New Ventures 4.0 Credits
This course helps students develop an understanding of the key elements of designing an accounting system and support policies and procedures for a new business venture.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Can enroll if classification is Junior or Pre-Junior or Senior.
Prerequisites: ACCT 115 [Min Grade: C] and ACCT 116 [Min Grade: C]

ACCT 321 Financial Reporting I 4.0 Credits
Provides intensive review of current accounting practice in light of authoritative pronouncements and critical study of theory and practice relating to preparing financial statements.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ACCT 115 [Min Grade: C]

ACCT 322 Financial Reporting II 4.0 Credits
Continues critical study of accounting theory and practice relating to financial statement items and selected accounting topics.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ACCT 321 [Min Grade: C]

ACCT 323 Financial Reporting III 4.0 Credits
Covers theory and practice relating to advanced accounting topics, with emphasis on consolidated financial statements.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ACCT 322 [Min Grade: C]

ACCT 329 Advanced Accounting 4.0 Credits
Study of theory and practice related to advanced accounting topics.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: ACCT 323 [Min Grade: C]

ACCT 331 Cost Accounting 4.0 Credits
Continues ACCT 116. Emphasizes the use of accounting information in business decisions.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ACCT 116 [Min Grade: C]

ACCT 341 Principles of Auditing 4.0 Credits
Covers auditing standards and professional ethics, auditing theory and concepts, audit evidence and procedures, and auditors' reports.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ACCT 322 [Min Grade: C]

ACCT 344 Internal Auditing 4.0 Credits
Internal Auditing brings a systematic, disciplined approach to evaluate and improve the effectiveness of risk management, control and governance processes. It is designed to add value and improve an organization's operations. Topics covered include: The Institute of Internal Auditors' International Professional Practices Framework; risk assessment, including internal control system evaluation; and the relationship of management and employee fraud to the internal audit process. Outside speakers and case studies will be used to demonstrate the application of internal auditing practices in the real world.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

ACCT 498 Special Topics in Accounting 12.0 Credits
This course covers topics of particular interest to students in accounting.
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit

ACCT 499 Independent Study 5.0 Credits
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit

Business Analytics

Bachelor of Science in Business Administration (BSBA): 180.0 quarter credits.
The Business Analytics program is a "co-major"

About the Program

As the digital revolution continues to evolve there is a greater need for data driven decision-making in business. Business analytics helps companies speed up and improve their decision-making processes, which potentially yields greater efficiency in all aspects of the organization.

Business analytics is the integration of data management, mathematical modeling, and statistical analysis to support data driven decision-making processes across the various functional areas of business. The business analytics major at LeBow consists of basic courses in statistics,

operations research, and management information systems as well as advanced courses in management information systems, statistics/ econometrics, and modeling.

Because students in this major are required to choose a co-major in one of the functional areas of business, the curriculum enables students to tailor the program to their interests and anticipated career path.

Students complete the business analytics major in conjunction with one of the following co-majors:

- Accounting
- Entrepreneurship
- Finance
- Legal Studies
- Management Information Systems
- Marketing
- Operations & Supply Chain Management

An additional distinguishing feature of the business analytics major is the required senior project (BUSN 460) where students work in small teams on real business analytics projects from LeBow College's corporate partners. The projects require students to bring together all the key elements of the business analytics curriculum to derive business insights for a company's current business challenges. Experiencing this data driven decision-making process is invaluable career preparation.

Degree Requirements

General Education Requirements

COM 270 [WI]	Business Communication	3.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
MATH 101	Introduction to Analysis I	4.0
MATH 102	Introduction to Analysis II	4.0
PHIL 105	Critical Reasoning	3.0
PSY 101	General Psychology I	3.0
UNIV B101 [WI]	The Drexel Experience	2.0
English Literature elective		3.0
Fine Arts elective		3.0
History elective		3.0
Science Requirement		**6.0**
Select two courses from the following:		
BIO 100	Applied Cells, Genetics & Physiology	
or BIO 101	Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	
General Education electives *		21.0
Business Requirements		
ACCT 115	Financial Accounting Foundations	4.0
ACCT 116	Managerial Accounting Foundations	4.0
BLAW 201	Business Law I	4.0
BUSN 101	Foundations of Business I	4.0

BUSN 102	Foundations of Business II	4.0
ECON 201	Principles of Microeconomics	4.0
ECON 202	Principles of Macroeconomics	4.0
FIN 301	Introduction to Finance	4.0
INTB 200	International Business	4.0
MGMT 450	Strategy and Competitive Advantage	4.0
MIS 200	Management Information Systems	4.0
MKTG 301	Introduction to Marketing Management	4.0
OPM 200	Operations Management	4.0
ORGB 300 [WI]	Organizational Behavior	4.0
STAT 201	Introduction to Business Statistics	4.0
STAT 202	Business Statistics II	4.0
**Primary Major Courses **		**32.0**
Business Analytics Requirements		
BUSN 460	Business Analytics Senior Project	4.0
MIS 343	Database Design and Implementation	4.0
MIS 349	Predictive Business Analytics with Relational Database Data	4.0
OPR 320	Linear Models for Decision Making	4.0
Advanced Statistics Course		
Select one of the following:		4.0
ECON 350 [WI]	Applied Econometrics	
STAT 331	Introduction to Data Mining for Business	
STAT 335	Introduction to Experimental Design	
Advanced Modeling Course		
Select one of the following:		4.0
ECON 301	Microeconomics	
MKTG 366	Customer Analytics	
OPR 330	Advanced Decision Making and Simulation	
Total Credits		**184.0**

* Students select seven (21.0 credits) of additional general education electives with a minimum of one course in each of the following categories:
- Society and Culture (Communication, English, Fine Arts, International Area Studies, Language, Philosophy)
- Social Science (Anthropology, History, Sociology, Political Science, Psychology)
- Math and Science (Computer Science, Information Systems, Math, Science)

** Students completing the Business Analytics co-major must do so in conjunction with a primary business major. Students must select a primary major from the following list:
- Accounting
- Entrepreneurship
- Finance
- Legal Studies
- Management Information Systems
- Marketing
- Operations & Supply Chain Management

Sample Plan of Study

Term 1		Credits
BUSN 101	Foundations of Business I	4.0

ECON 201	Principles of Microeconomics	4.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
MATH 101	Introduction to Analysis I	4.0
UNIV B101 [WI]	The Drexel Experience	1.0
	Term Credits	**16.0**
Term 2		
BUSN 102	Foundations of Business II	4.0
ECON 202	Principles of Macroeconomics	4.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
MATH 102	Introduction to Analysis II	4.0
	Term Credits	**15.0**
Term 3		
ACCT 115	Financial Accounting Foundations	4.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
PSY 101	General Psychology I	3.0
Select one of the following:		3.0
BIO 100 or 101	Applied Cells, Genetics & Physiology Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	
General Education elective		3.0
	Term Credits	**16.0**
Term 4		
ACCT 116	Managerial Accounting Foundations	4.0
BLAW 201	Business Law I	4.0
COM 270 [WI]	Business Communication	3.0
STAT 201	Introduction to Business Statistics	4.0
	Term Credits	**15.0**
Term 5		
INTB 200	International Business	4.0
STAT 202	Business Statistics II	4.0
MIS 200	Management Information Systems	4.0
Select one of the following:		3.0
BIO 101 or 100	Applied Biological Diversity, Ecology & Evolution Applied Cells, Genetics & Physiology	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	
	Term Credits	**15.0**
Term 6		
Any 200-399 English (ENGL) course		3.0
FIN 301	Introduction to Finance	4.0
MKTG 301	Introduction to Marketing Management	4.0
OPM 200	Operations Management	4.0
	Term Credits	**15.0**
Term 7		
MIS 343	Database Design and Implementation	4.0
ORGB 300 [WI]	Organizational Behavior	4.0

PHIL 105	Critical Reasoning	3.0
Primary Major Course 1*		4.0
	Term Credits	**15.0**
Term 8		
History elective		3.0
OPR 320	Linear Models for Decision Making	4.0
Primary Major Course 2*		4.0
Science elective		3.0
	Term Credits	**14.0**
Term 9		
Society and Culture elective		3.0
Primary Major Course 3*		4.0
Primary Major Course 4*		4.0
MIS 349	Predictive Business Analytics with Relational Database Data	4.0
	Term Credits	**15.0**
Term 10		
Fine Arts elective		3.0
UNIV B201	Career Management	1.0
Select one of the following advanced statistic courses:		4.0
STAT 331	Introduction to Data Mining for Business	
STAT 335	Introduction to Experimental Design	
ECON 350 [WI]	Applied Econometrics	
Primary Major Course 5*		4.0
General education elective		3.0
	Term Credits	**15.0**
Term 11		
Primary Major course 7*		4.0
Primary Major Course 6*		4.0
MGMT 450	Strategy and Competitive Advantage	4.0
Advanced modeling course - Select one of the following:		4.0
OPR 330	Advanced Decision Making and Simulation	
MKTG 366	Customer Analytics	
ECON 301	Microeconomics	
	Term Credits	**16.0**
Term 12		
Primary Major course 8*		4.0
Social Science elective		3.0
General education elective		3.0
General education elective		3.0
BUSN 460	Business Analytics Senior Project	4.0
	Term Credits	**17.0**

Total Credit: 184.0

*   See degree requirements for a list of business majors that may be completed in conjunction with the business analytics major.

Decision Sciences Faculty

Pramod Abichandani, PhD *(Drexel University)*. Assistant Teaching Professor. Optimal, multi-dimensional, data-driven decision-making,

through the use of techniques from mathematical programming, linear and nonlinear systems theory, statistics, and machine learning.

Edward Arnheiter, PhD *(University of Massachusetts, Amherst) Department of Decision Sciences.* Clinical Professor. Quality implementation and management, supply chain, statistical quality control, six sigma.

Avijit Banerjee, PhD *(The Ohio State University) Department of Decision Sciences.* Professor. Supply chain management; operations planning and scheduling; inventory control.

Hande Yurttan Benson, PhD *(Princeton University) Department of Decision Sciences.* Associate Professor. Nonlinear optimization, interior-point methods.

Oben Ceryan, PhD *(University of Michigan Ann Arbor) Department of Decision Sciences.* Assistant Professor. Pricing revenue management; inventory control; production planning and control supply chain management.

Neil Desnoyers, MS *(Drexel University) Department of Decision Sciences.* Assistant Clinical Professor. Decision sciences.

Seung-Lae Kim, PhD *(Penn State University) Department of Decision Sciences.* Professor. Production planning and control; inventory control; Just-In-Time (JIT) and Supply Chain Management (SCM).

Benjamin Lev, PhD *(Case Western Reserve University) Department Head, Department of Decision Sciences.* Professor. Operations research/ management science, statistics, applications, engineering management.

Merrill W. Liechty, PhD *(Duke University).* Associate Clinical Professor. Bayesian statistics, portfolio selection, higher moment estimation.

Arunkumar Madapusi, PhD *(University of North Texas Denton) Department of Decision Sciences.* Assistant Clinical Professor. Manufacturing technology development; quality management; supply chain management; interface with information systems.

Hazem Diab Maragah, PhD *(Louisiana University) Department of Decision Sciences.* Associate Professor. Statistical quality control, total equity management, applied statistics.

Bruce D. McCullough, PhD *(University of Texas).* Professor. Applied econometrics; reliability of statistical and econometric software; business data mining.

Thomas P. McWilliams, PhD *(Stanford University) Department of Decision Sciences.* Professor. Statistical quality control; sequential analysis.

Fariborz Y. Partovi, Ph.D. *(The Wharton School, University of Pennsylvania) Department of Decision Sciences.* Professor. The use of analytical hierarchy process and quality function deployment for strategic decisions in manufacturing and service organizations.

Wenjing Shen, PhD *(University of Michigan).* Assistant Professor. The interface of operations management and marketing; inventory management; supply chain management.

Min Wang, PhD *(Columbia University) Department of Decision Sciences.* Assistant Professor.

Emeritus Faculty

Robert E. Laessig, PhD *(Cornell University) Department of Decision Sciences.* Professor Emeritus. Management systems integration.

Business and Engineering

Bachelor of Science in Business and Engineering (BSBE): 185.0 quarter credits

About the Program

The major in business and engineering combines two of Drexel's most exciting programs, linking business and engineering to provide students with expertise in both fields.

The program contains a broad-based business and engineering curriculum, enabling graduates to work successfully in technically oriented business positions. Students complete a set of broad functional business core courses along with a firm foundation in science, mathematics, and engineering. Students also study more deeply the areas of operations management, entrepreneurship, finance, and marketing, while also studying the functional areas of engineering. Graduates of this program will be well prepared to participate in innovative technological efforts in business.

The major gives students the opportunity to learn important concepts in functional business areas such as accounting, economics, finance, information systems, law, marketing, organizational behavior, operations, and statistics.

Mission

The Bachelor of Science in Business and Engineering program provides students the opportunity to:

- Learn important concepts in functional business areas such as accounting, economics, finance, information systems, law, marketing, organizational behavior, operations, and statistics.
- Study in more depth the areas of operations, entrepreneurship, finance, management, marketing and other functional business areas.
- Complete a broad education in engineering disciplines after completing a firm foundation in science and mathematics.
- Develop skills in technical communication and critical reasoning.
- Study ethical issues faced by managers and engineers, and understand technology from a historical perspective.
- Apply acquired skills in co-op work experiences to further enhance their knowledge base.
- Study entrepreneurship from a management and finance perspective for preparation in innovative technological efforts.
- Learn the operational aspects of business operations to improve the functioning of technically oriented businesses.

About the Business Minors

Although students are not required to complete a business minor under the curriculum, they will have the ability to complete any of the business minors that are currently offered by the LeBow College of Business. Students may also elect to complete a non-business minor to supplement the Business and Engineering major.

Business Minors

- Accounting
- Economics
- Entrepreneurship
- Finance
- International Economics
- Legal Studies
- Management Information Systems
- Marketing
- Operations & Supply Chain Management

Degree Requirements

General Education Requirements

COM 310 [WI]	Technical Communication (WI)	3.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
HIST 285	Technology in Historical Perspective	3.0
MATH 121	Calculus I	4.0
MATH 122	Calculus II	4.0
MATH 123	Calculus III	4.0
MATH 200	Multivariate Calculus	4.0
MATH 201	Linear Algebra	4.0
PHIL 105	Critical Reasoning	3.0
PHIL 301	Business Ethics	3.0
or PHIL 315	Engineering Ethics	
UNIV B101 [WI]	The Drexel Experience	1.0
UNIV B201	Career Management	1.0

Science and Computing Requirements

CHEM 101	General Chemistry I	3.5
CHEM 102	General Chemistry II	4.5
PHYS 101	Fundamentals of Physics I	4.0
PHYS 102	Fundamentals of Physics II	4.0
PHYS 201	Fundamentals of Physics III	4.0

Business Requirements

BUSN 101	Foundations of Business I	4.0
BUSN 102	Foundations of Business II	4.0
ACCT 115	Financial Accounting Foundations	4.0
ACCT 116	Managerial Accounting Foundations	4.0
BLAW 201	Business Law I	4.0
ECON 201	Principles of Microeconomics	4.0
ECON 202	Principles of Macroeconomics	4.0
FIN 301	Introduction to Finance	4.0
MIS 200	Management Information Systems	4.0
MKTG 301	Introduction to Marketing Management	4.0
ORGB 300 [WI]	Organizational Behavior (WI)	4.0
INTB 200	International Business	4.0
MGMT 260	Introduction to Entrepreneurship	4.0
MGMT 450	Strategy and Competitive Advantage	4.0
STAT 205	Statistical Inference I	4.0
STAT 206	Statistical Inference II	4.0

Business and Engineering Focus

Operations Management

OPR 320	Linear Models for Decision Making	4.0
OPM 321	Planning and Control of Operations	4.0
Select one of the following:		4.0
OPR 330	Advanced Decision Making and Simulation	
STAT 301	Applied Statistical Models for Business	
STAT 325	Six-Sigma Quality Implementation	

Entrepreneurship

Select one of the following:		4.0
MGMT 363	Directed Study in Entrepreneurship	
MGMT 364	Technology Management	
MGMT 365	Business Plan for Entrepreneurs	

Finance

Select one of the following:		4.0
FIN 302	Intermediate Corporate Finance	
FIN 335	Entrepreneurial Finance	

Marketing

Select one of the following:		4.0
MKTG 326	Marketing Research	
MKTG 347	New Product Development	

Business Electives

Three courses selected from one or more Business Concentrations [*]	12.0

Engineering Requirements

ENGR 220	Fundamentals of Materials	4.0
ENGR 121	Computation Lab I	2.0
ENGR 122	Computation Lab II	1.0

Engineering Elective A

Select three of the following:		9.0
CHE 201	Process Material Balances	
ECE 200	Digital Logic Design	
ENGR 210	Introduction to Thermodynamics	
MATE 221	Introduction to Mechanical Behavior of Materials	
MEM 202	Statics	
CAEE 201	Introduction to Infrastructure Engineering	

Engineering Elective B

Select one of the following:		3.0
CHE 202	Process Energy Balances	
ECE 211 & ECE 212	Electrical Engineering Principles and Electrical Engineering Principles Laboratory	
MEM 201	Foundations of Computer Aided Design	
CAEE 210	Measurements in Civil, Architectural and Environmental Engineering I	

One Additional Engineering Elective	3.0
One elective in one of the above engineering disciplines	
Total Credits	**185.0**

Sample Plan of Study

Term 1		Credits
BUSN 101	Foundations of Business I	4.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
MATH 121	Calculus I	4.0
UNIV B101 [WI]	The Drexel Experience	1.0
MIS 200	Management Information Systems	4.0
	Term Credits	**16.0**
Term 2		
MATH 122	Calculus II	4.0
BUSN 102	Foundations of Business II	4.0
CHEM 101	General Chemistry I	3.5
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
ENGR 121	Computation Lab I	2.0
	Term Credits	**16.5**
Term 3		
CHEM 102	General Chemistry II	4.5
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
ENGR 122	Computation Lab II	1.0
MATH 200	Multivariate Calculus	4.0
PHYS 101	Fundamentals of Physics I	4.0
	Term Credits	**16.5**
Term 4		
ACCT 115	Financial Accounting Foundations	4.0
MATH 123	Calculus III	4.0
STAT 205	Statistical Inference I	4.0
PHYS 102	Fundamentals of Physics II	4.0
	Term Credits	**16.0**
Term 5		
ACCT 116	Managerial Accounting Foundations	4.0
MATH 201	Linear Algebra	4.0
PHYS 201	Fundamentals of Physics III	4.0
STAT 206	Statistical Inference II	4.0
	Term Credits	**16.0**
Term 6		
ENGR 220	Fundamentals of Materials	4.0
OPR 320	Linear Models for Decision Making	4.0
OPM 321	Planning and Control of Operations	4.0
ECON 201	Principles of Microeconomics	4.0
	Term Credits	**16.0**
Term 7		
FIN 301	Introduction to Finance	4.0
MKTG 301	Introduction to Marketing Management	4.0
Engineering Elective A[*]		3.0
ECON 202	Principles of Macroeconomics	4.0
	Term Credits	**15.0**
Term 8		
MGMT 260	Introduction to Entrepreneurship	4.0

BLAW 201	Business Law I	4.0
Engineering Elective A[*]		3.0
COM 310 [WI]	Technical Communication	3.0
	Term Credits	**14.0**
Term 9		
ORGB 300 [WI]	Organizational Behavior	4.0
HIST 285	Technology in Historical Perspective	3.0
PHIL 105	Critical Reasoning	3.0
INTB 200	International Business	4.0
	Term Credits	**14.0**
Term 10		
Engineering Elective A		3.0
Select one of the following:		4.0
MGMT 363	Directed Study in Entrepreneurship	
MGMT 364	Technology Management	
MGMT 365	Business Plan for Entrepreneurs	
FIN 302	Intermediate Corporate Finance	4.0
or		
FIN 335	Entrepreneurial Finance	
UNIV B201	Career Management	1.0
PHIL 301	Business Ethics	3.0
	Term Credits	**15.0**
Term 11		
MKTG 347	New Product Development	4.0
or		
MKTG 326	Marketing Research	4.0
Engineering Elective B		3.0
Select one of the following:		
STAT 301	Applied Statistical Models for Business	
STAT 325	Six-Sigma Quality Implementation	
OPR 330	Advanced Decision Making and Simulation	
Business elective		4.0
	Term Credits	**15.0**
Term 12		
MGMT 450	Strategy and Competitive Advantage	4.0
Business Electives		8.0
Engineering Elective A		3.0
	Term Credits	**15.0**

Total Credit: 185.0

[*] See degree requirements.

Decision Sciences Faculty

Pramod Abichandani, PhD *(Drexel University)*. Assistant Teaching Professor. Optimal, multi-dimensional, data-driven decision-making, through the use of techniques from mathematical programming, linear and nonlinear systems theory, statistics, and machine learning.

Edward Arnheiter, PhD *(University of Massachusetts, Amherst) Department of Decision Sciences.* Clinical Professor. Quality

implementation and management, supply chain, statistical quality control, six sigma.

Avijit Banerjee, PhD *(The Ohio State University) Department of Decision Sciences.* Professor. Supply chain management; operations planning and scheduling; inventory control.

Hande Yurttan Benson, PhD *(Princeton University) Department of Decision Sciences.* Associate Professor. Nonlinear optimization, interior-point methods.

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Neil Desnoyers, MS *(Drexel University) Department of Decision Sciences.* Assistant Clinical Professor. Decision sciences.

Seung-Lae Kim, PhD *(Penn State University) Department of Decision Sciences.* Professor. Production planning and control; inventory control; Just-In-Time (JIT) and Supply Chain Management (SCM).

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Merrill W. Liechty, PhD *(Duke University).* Associate Clinical Professor. Bayesian statistics, portfolio selection, higher moment estimation.

Arunkumar Madapusi, PhD *(University of North Texas Denton) Department of Decision Sciences.* Assistant Clinical Professor. Manufacturing technology development; quality management; supply chain management; interface with information systems.

Hazem Diab Maragah, PhD *(Louisiana University) Department of Decision Sciences.* Associate Professor. Statistical quality control, total equity management, applied statistics.

Bruce D. McCullough, PhD *(University of Texas).* Professor. Applied econometrics; reliability of statistical and econometric software; business data mining.

Thomas P. McWilliams, PhD *(Stanford University) Department of Decision Sciences.* Professor. Statistical quality control; sequential analysis.

Fariborz Y. Partovi, Ph.D. *(The Wharton School, University of Pennsylvania) Department of Decision Sciences.* Professor. The use of analytical hierarchy process and quality function deployment for strategic decisions in manufacturing and service organizations.

Wenjing Shen, PhD *(University of Michigan).* Assistant Professor. The interface of operations management and marketing; inventory management; supply chain management.

Min Wang, PhD *(Columbia University) Department of Decision Sciences.* Assistant Professor.

Emeritus Faculty

Robert E. Laessig, PhD *(Cornell University) Department of Decision Sciences.* Professor Emeritus. Management systems integration.

Business Economics

Bachelor of Science in Business Administration (BSBA): 184.0 quarter credits.
The Business Economics program is a "co-major"

About the Program

Economics is the study of allocating scarce resources among competing needs. The program places particular emphasis on the application of theory toward the solution of particular problems in such areas as international trade, money and finance, consumer activities, economic development, and other areas.

Drexel's Business Economics co-major is designed for students who wish to receive a sound education within a specific functional area of business (Primary major) while supplementing that knowledge with an overview of economics.

Students complete the business economics major in conjunction with one of the following co-majors:

- Accounting
- Entrepreneurship
- Finance
- Legal Studies
- Management Information Systems
- Marketing
- Operations & Supply Chain Management

Degree Requirements

General Education Requirements

ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
COM 270 [WI]	Business Communication (WI)	3.0
MATH 101	Introduction to Analysis I	4.0
MATH 102	Introduction to Analysis II	4.0
PHIL 105	Critical Reasoning	3.0
PSY 101	General Psychology I	3.0
UNIV 101	The Drexel Experience	2.0
English literature elective: (ENGL 200 through ENGL 399)		3.0
Fine arts elective		3.0
History (HIST) elective		3.0
Select two of the following:		6.0
BIO 100	Applied Cells, Genetics & Physiology	
or BIO 101	Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	
General Education (Category) Electives *		**21.0**
Business Requirements		
BUSN 101	Foundations of Business I	4.0
BUSN 102	Foundations of Business II	4.0
ACCT 115	Financial Accounting Foundations	4.0

ACCT 116	Managerial Accounting Foundations	4.0
BLAW 201	Business Law I	4.0
STAT 201	Introduction to Business Statistics	4.0
ECON 201	Principles of Microeconomics	4.0
ECON 202	Principles of Macroeconomics	4.0
FIN 301	Introduction to Finance	4.0
MIS 200	Management Information Systems	4.0
MKTG 301	Introduction to Marketing Management	4.0
OPM 200	Operations Management	4.0
ORGB 300 [WI]	Organizational Behavior (WI)	4.0
INTB 200	International Business	4.0
MGMT 450	Strategy and Competitive Advantage	4.0
Select one of the following:		4.0
STAT 202	Business Statistics II	
MGMT 260	Introduction to Entrepreneurship	
MGMT 451	Management Simulation	
BUSN 451	Business Consulting	
Primary Major Courses		**32.0**

Students completing the business economics co-major must do so in conjunction with a primary business major. Students must select a primary major from the following list: accounting, entrepreneurship, finance, legal studies, management information systems, marketing, or operations & supply chain management.

Business Economics Requirements

ECON 301	Microeconomics	4.0
ECON 321	Macroeconomics	4.0
ECON 322 [WI]	Economics Seminar (WI)	4.0
Select three of the following:		12.0
ECON 250	Game Theory and Applications	
ECON 326 [WI]	Economic Ideas (WI)	
ECON 330	Managerial Economics	
ECON 334	Public Finance	
ECON 336	Labor Economics	
ECON 338	Industrial Organization	
ECON 342	Economic Development	
ECON 348	Mathematical Economics	
ECON 350 [WI]	Applied Econometrics (WI)	
ECON 351	Resource and Environmental Economics	
ECON 360	Time Series Econometrics	
INTB 332	Multinational Corporations	
INTB 334	International Trade	
INTB 336	International Money and Finance	
INTB 338	Regional Studies in Economic Policies and International Business	
Total Credits		**184.0**

* Students select seven (21.0 credits) of additional general education electives with a minimum of one course in each of the following categories:
  - Society and Culture (Communication, English, Fine Arts, International Area Studies, Language, Philosophy)
  - Social Science (Anthropology, History, Sociology, Political Science, Psychology)
  - Math and Science (Computer Science, Information Systems, Math, Science).

Sample Plan of Study

Term 1		Credits
BUSN 101	Foundations of Business I	4.0
ECON 201	Principles of Microeconomics	4.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
MATH 101	Introduction to Analysis I	4.0
UNIV B101 [WI]	The Drexel Experience	1.0
	Term Credits	**16.0**
Term 2		
BUSN 102	Foundations of Business II	4.0
ECON 202	Principles of Macroeconomics	4.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
MATH 102	Introduction to Analysis II	4.0
	Term Credits	**15.0**
Term 3		
ACCT 115	Financial Accounting Foundations	4.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
PSY 101	General Psychology I	3.0
Select one of the following:		3.0
BIO 100 or 101	Applied Cells, Genetics & Physiology Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	
General education elective		3.0
	Term Credits	**16.0**
Term 4		
ACCT 116	Managerial Accounting Foundations	4.0
BLAW 201	Business Law I	4.0
COM 270 [WI]	Business Communication	3.0
STAT 201	Introduction to Business Statistics	4.0
	Term Credits	**15.0**
Term 5		
MIS 200	Management Information Systems	4.0
INTB 200	International Business	4.0
Select one of the following:		3.0
BIO 100 or 101	Applied Cells, Genetics & Physiology Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	

Social Science elective		3.0
	Term Credits	**14.0**
Term 6		
FIN 301	Introduction to Finance	4.0
MKTG 301	Introduction to Marketing Management	4.0
OPM 200	Operations Management	4.0
English literature elective (ENGL 200 through 399)		3.0
	Term Credits	**15.0**
Term 7		
ECON 301	Microeconomics	4.0
ORGB 300 [WI]	Organizational Behavior (WI)	4.0
PHIL 105	Critical Reasoning	3.0
Primary Major course 1*		4.0
	Term Credits	**15.0**
Term 8		
History (HIST) elective		3.0
ECON 321	Macroeconomics	4.0
Primary Major course 2*		4.0
Primary Major course 3*		4.0
	Term Credits	**15.0**
Term 9		
ECON Co-Major course (See co-major requirements for list)		4.0
Primary Major course 4*		4.0
Primary Major course 5*		4.0
Society and culture elective		3.0
	Term Credits	**15.0**
Term 10		
UNIV B201	Career Management	1.0
Primary Major course 6*		4.0
ECON Co-Major course (See co-major requirements for list)		4.0
General education elective		3.0
Fine arts elective		3.0
	Term Credits	**15.0**
Term 11		
Science or computer science elective		3.0
MGMT 450	Strategy and Competitive Advantage	4.0
ECON Co-Major course (See co-major requirements for list)		4.0
Primary Major course 7*		4.0
	Term Credits	**15.0**
Term 12		
Primary Major course 8*		4.0
Select one of the following:		4.0
	BUSN 451 Business Consulting	
	MGMT 451 Management Simulation	
	STAT 202 Business Statistics II	
	MGMT 260 Introduction to Entrepreneurship	
General education electives		6.0

ECON 322 [WI]	Economics Seminar	4.0
	Term Credits	**18.0**

Total Credit: 184.0

*   Students completing the Business Economics Co-major must do so in conjunction with a primary business major. Students must select a primary major from the following list: Accounting, Entrepreneurship, Finance, Legal Studies, Management Information Systems, Marketing, or Operations & Supply Chain Management.

Economics and International Business Faculty

Marco Airaudo, PhD *(University of Pennsylvania Philadelphia)*. Assistant Professor. Computational economics, international economics, macroeconomics and monetary economics.

Richard Barnett, PhD *(University of Minnesota)*. Associate Clinical Professor. Economic theory, macroeconomics.

Sebastien Bradley, PhD *(University of Michigan)*. Assistant Professor. Public finance, international economics.

Mian Dai, PhD *(Northwestern University)*. Assistant Professor. Managerial economics and strategy.

Pia DiGirolamo, PhD *(Purdue University)*. Assistant Clinical Professor. Macroeconomics, international finance.

Anne Duchene, PhD *(Ecole Nationale des Ponts et Chaussees, France) Department of Economics and International Business*. Assistant Professor. Microeconomics, industrial organization, law and economics.

Ramya Ghosh, PhD *(Claremont Graduate University)*. Assistant Clinical Professor. International economics.

Shawkat M. Hammoudeh, PhD *(University of Kansas) Department of Economics and International Business*. Professor. Applied econometrics, financial economics, international economics, natural resource economics.

Teresa D. Harrison, PhD *(University of Texas at Austin) Department of Economics and International Business*. Associate Professor. Econometrics, public finance, industrial organization, empirical microeconomics including health and nonprofit organizations.

Paul E. Jensen, PhD *(Penn State University) Associate Dean, College of Business*. Associate Professor. International trade. Primary research interest is international trade, particularly in empirical studies of international trade patterns.

Bang Nam Jeon, PhD *(Indiana University) Department of Economics and International Business*. Professor. Financial economics, world financial market linkages, foreign direct investment flows in the Asia-Pacific economies, the Korean economy: currency crisis, FDI, and macroeconomic issues, regional economic integration and newly industrializing economies: the

Stephen Joyce, MA *(Temple University) Department of Economics and International Business*. Assistant Clinical Professor. Education and human capital.

Christopher A. Laincz, PhD *(Duke University) Department of Economics and International Business.* Associate Professor. Economic development, technological change, and growth, industrial organization, macroeconomics and monetary economics.

Vibhas Madan, PhD *(Michigan State University) Head of the Department of Economics and International Business.* Professor. International trade theory, applied microeconomics.

Roger A. McCain, PhD *(Louisiana State University) Department of Economics and International Business.* Professor. Computational economics, game theory.

Irina Murtazashvili, PhD *(Michigan state University).* Assistant Professor. Applied econometrics.

Maria Olivero, PhD *(Duke University) Department of Economics and International Business.* Associate Professor. Macroeconomics, international finance.

Eydis Olsen, MA *(American University) Department of Economics and International Business.* Clinical Associate Professor. Macroeconomics, political economy.

Konstantinos Serfes, PhD *(University of Illinois at Champaign-Urbana) Department of Economics and International Business.* Associate Professor. Industrial organization; microeconomics.

Mark Stehr, PhD *(University of California at Berkeley) Department of Economics and International Business.* Associate Professor. Health Economics, public finance, public policy.

Constantinos Syropoulos, PhD *(Yale University) Trustee Professor of International Economics, Department of Economics and International Business.* Professor. International trade, political economy, applied microeconomics.

Matthew Weinberg, PhD *(Princeton University).* Assistant Professor. Antitrust and regulation, applied econometrics, industrial organization.

Yoto Yotov, PhD *(Boston College).* Associate Professor. International trade, applied microeconomics, political economy.

Interdepartmental Faculty

Bruce D. McCullough, PhD *(University of Texas).* Professor. Applied econometrics; reliability of statistical and econometric software; business data mining.

Emeritus Faculty

Edward C. Koziara, PhD *(University of Wisconsin) Department of Economics and International Business.* Professor Emeritus. Applied micro and macro economics.

Bijou Yang Lester, PhD *(University of Pennsylvania) Department of Economics and International Business.* Professor Emeritus. Behavioral characteristics of shopping on-line, economic issues of electronic commerce, contingent employment and part-time work, the economy and suicide.

Andrew G. Verzilli, PhD *(Boston College).* Professor Emeritus. Teaching effectiveness in economics; economics and financial history.

Chiou-shuang Yan, PhD *(Purdue University).* Professor Emeritus. International economics, input-output analysis.

Courses

ECON 201 Principles of Microeconomics 4.0 Credits
Examines allocation of resources within an economy. Major topics include interaction of supply and demand in markets, consumer choice, cost structure of firms, and profit maximization for competitive forms as well as firms with market power.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

ECON 202 Principles of Macroeconomics 4.0 Credits
Examines measurement, growth, and fluctuation of aggregate economic activity. Includes national income accounting and explains determination of output, employment, and price level. Also provides an introduction to international economics, money and banking, and economic policy. Some or all pre-requisites may be taken as either a pre-requisite or co-requisite. Please see the department for more information.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: ECON 201 [Min Grade: D] (Can be taken Concurrently)

ECON 240 Economics of Health Care Systems 4.0 Credits
Examine the health care industry from an economic perspective, including demand, cost-benefit analysis, insurance, supply constraints, and the role of the government.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

ECON 250 Game Theory and Applications 4.0 Credits
Introduces the basic ideas of game theory with a minimum of mathematics; and discusses application to economics, politics, business, behavioral science, philosophy, population biology and engineering.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: STAT 201 [Min Grade: C] or STAT 205 [Min Grade: C] or MATH 107 [Min Grade: C]

ECON 260 Economics of Small Business 4.0 Credits
Discusses economic topics relevant to the role and varieties of small businesses in industrialized economies, and to government policy with respect to small business.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: ECON 201 [Min Grade: C]

ECON 301 Microeconomics 4.0 Credits
Examines theory of the firm and theory of the consumer in a rigorous fashion. Also covers risk and uncertainty, price determination, market failures, and analysis of various government policies.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C] and (MATH 102 [Min Grade: C] or MATH 121 [Min Grade: C])

ECON 321 Macroeconomics 4.0 Credits
Provides an in-depth introduction to dominant theories behind short-run economic fluctuations and long-run economic growth. Employs both mathematical and graphical tools to discuss determination of output, employment, and price level in the aggregate economy. Also covers effectiveness of monetary and fiscal policies in dealing with unemployment and inflation.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C] and ECON 301 [Min Grade: C] and (MATH 102 [Min Grade: C] or MATH 121 [Min Grade: C])

ECON 322 [WI] Economics Seminar 4.0 Credits
Requires research and writing of a scholarly paper on a topic in economics approved by an appointed faculty adviser. This is a writing intensive course.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 301 [Min Grade: C] and ECON 321 [Min Grade: C]

ECON 326 [WI] Economic Ideas 4.0 Credits
Covers the history of economic thought and development of different schools of thinking in economics. This is a writing intensive course.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C]

ECON 330 Managerial Economics 4.0 Credits
Covers applied economics relevant for decision-making processes. Emphasizes profit management, demand and cost analysis, pricing, and government policy.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C]

ECON 331 International Macroeconomics 4.0 Credits
This course covers fundamental issues in open economy macroeconomics. We will learn about how fiscal and monetary policy work when the economy is open to international trade in goods and services and to international capital flows. We will also study the effects of these policies on the current account and the exchange rate. The course treatment will be mainly theoretical. However, we will frequently refer to features of the international financial markets data, and we will use examples, case studies, readings, videos and policy applications to illustrate the findings of the theory and/or to try to bridge the gap between the predictions of theoretical models and real world developments.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C]

ECON 334 Public Finance 4.0 Credits
Applies economic principles and cost-benefit analysis to the operation of government, with emphasis on understanding why private markets fail to provide public goods. Explores the current American tax system from three points of view: how efficient it is, who really pays, and how it might be reformed.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C] and (MATH 102 [Min Grade: C] or MATH 121 [Min Grade: C])

ECON 336 Labor Economics 4.0 Credits
Develops an understanding of how labor institutions operate to determine wages and employment. Examines alternative policy questions involving unemployment and inflation, collective bargaining, investment in education and training, and other labor-related questions. Requires students to apply theoretical and empirical abilities to research a labor-related issue and improve the ability to think clearly and communicate effectively.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C]

ECON 338 Industrial Organization 4.0 Credits
Examines observational studies of industries with respect to competitive or non-competitive structure, conduct, and performance. Considers implications of profitability, technological innovation, antitrust policy, and competitiveness in trade. Reviews problems of measurement and sources of data.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C] and (MATH 102 [Min Grade: C] or MATH 121 [Min Grade: C])

ECON 342 Economic Development 4.0 Credits
Covers topics including driving forces of economic growth, economic planning, income distribution and poverty, labor migration, capital markets and saving, international debt problems and global economic crisis. Emphasizes underlying theories and realities of economic growth and development of less developed economies and emerging economies.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C]

ECON 344 Comparative Economic Systems 4.0 Credits
Covers theory and contemporary practices of capitalism, socialism, fascism, and the welfare state as economic systems.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C]

ECON 348 Mathematical Economics 4.0 Credits
Discusses the application of mathematics in economic models, with extensive discussion of economic applications of linear algebra and calculus. Considers implications of the assumptions of maximization of profits and utility. Stresses mathematical models and techniques useful in statistical applications of economics.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C] and (MATH 102 [Min Grade: C] or MATH 121 [Min Grade: C])

ECON 350 [WI] Applied Econometrics 4.0 Credits
Applies statistics to economics, with emphasis on the special problems of statistical analysis of economic data, sources of data, and examples of applications and models. Covers forecasting the impacts of changing economic policy and of developments in industrial markets using economic-statistical models. This is a writing intensive course.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C] and STAT 201 [Min Grade: C]

ECON 351 Resource and Environmental Economics 4.0 Credits
Examines the microeconomic and quantitative aspects of markets for both renewable and exhaustible resources, and the interaction between the energy and resource sectors of the economy and between the productive sectors of the economy and the natural environment, with evaluation of major public policy initiatives and issues in these areas.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C]

ECON 360 Time Series Econometrics 4.0 Credits
Introduce time-series econometric models and provide tools for empirical analysis using time-series economic and financial data, with specific emphasis on application and forecasting.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: ECON 201 [Min Grade: D] and ECON 202 [Min Grade: D] and ECON 350 [Min Grade: D]

ECON 498 Special Topics in Economics 0.5-12.0 Credits
This course covers topics of particular interest to students in economics.
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C]

ECON 499 Independent Study 0.5-5.0 Credits
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit

Economics

Bachelor of Science Degree: 187.0 quarter credits
Bachelor of Arts Degree: 187.0 quarter credits

About the Program

Economics is at the root of business decisions, government policy making, and global relations. As a course of study, it can lead to diverse career opportunities, and is often viewed favorably as excellent preparation for graduate programs such as business and law.

Although housed in the LeBow College of Business, the economics major is a free-standing major with different requirements in the liberal arts and sciences and a deeper, more complete coverage of economics than any other curriculum. Students majoring in economics benefit from complementary studies in one or more areas, depending on their interests and long-term plans.

Bachelor of Arts in Economics

The BA in Economics introduces students to modern economics within the context of a broad-based liberal arts curriculum. The degree is oriented toward students with interest in the less quantitative features of economics and a broader liberal arts education, particularly in areas offered by the College of Arts and Sciences. The degree requires students develop a depth of knowledge in a coordinate field (minor or major) outside of economics.

Bachelor of Science in Economics

The BS in Economics program introduces students to modern economics within the context of a general scientific and humanities curriculum. This degree is oriented towards students interested in acquiring a broad-based education with a focus on quantitative and professional skills. The degree stipulates that students either complete one of the specific economic concentrations (Business Economics or Mathematical Economics) or develop a depth of knowledge in a secondary minor or major field outside of economics.

The BS in Economics offers concentration choices in both Business Economics and Mathematical Economics.

Business Economics Concentration

This concentration prepares students to apply the rigorous methods of modern quantitative economics as professionals in a business context. This program combines coursework in economics and the functional fields of business administration within the context of a general scientific and humanities curriculum.

Mathematical Economics Concentration

This concentration prepares students for graduate study in quantitative and rigorous programs in economics and related fields. This program will also prepare students for professional work in quantitative economics or closely related areas, by providing coursework in economics and mathematics, in the context of a general scientific and humanities curriculum.

Coordinate Field Option

As an alternative to choosing one of these concentrations, students may also personalize their degree by developing a depth of knowledge in a secondary minor or major field outside of economics such as finance, social sciences, international studies or natural sciences. Examples of possible coordinating minors could include a minor in History and Politics for students interested in political economy or policy studies; a minor in American or European Studies for students interested in the economics of those countries, or

a minor in Communication for students interested in economic journalism. In addition, students can complete a specialization in business economics or mathematical economics as an area of concentration.

Minor in Economics

The minor in Economics provides a solid background in the application of economic theory to markets. Students complete standard courses in micro- and macroeconomics that emphasize core training in economic decision making. Students also choose a course that applies this training to areas such as international economics, firm and industry behavior, quantitative economic analysis, and public policy. This type of analytical training provides a strong complement to many majors, including business fields, but would be especially useful for students interested in careers in public policy or law.

Additional Information

For more information about this major, contact the School of Economics. (http://www.lebow.drexel.edu/Faculty/Departments/Economics)

Degree Requirements (BS)

While a variety of options are available for study in coordinating fields, two specific concentrations have been developed to address key areas in economics.

- The business economics concentration
- The mathematical economics concentration

The requirements for those concentrations are listed beneath the general requirements for the BS in Economics program.

General education requirements

ANTH 101	Introduction to Cultural Diversity	3.0
COM 270 [WI]	Business Communication	3.0
CS 143	Computer Programming Fundamentals	3.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
PSY 101	General Psychology I	3.0
SOC 101	Introduction to Sociology	3.0
UNIV B101 [WI]	The Drexel Experience	2.0
Select one of the following math sequences:		8.0
MATH 101 & MATH 102	Introduction to Analysis I and Introduction to Analysis II	
MATH 121 & MATH 122	Calculus I and Calculus II	
Fine arts elective		3.0
Three laboratory science electives		9.0
Two English literature electives: (ENGL 200 through ENGL 399)		6.0
Two history electives		6.0
Two philosophy electives		6.0
Economics Requirements		
ECON 201	Principles of Microeconomics	4.0
ECON 202	Principles of Macroeconomics	4.0

ECON 250	Game Theory and Applications	4.0
ECON 301	Microeconomics	4.0
ECON 321	Macroeconomics	4.0
ECON 322 [WI]	Economics Seminar	4.0
ECON 350 [WI]	Applied Econometrics	4.0
ECON 360	Time Series Econometrics	4.0
INTB 334	International Trade	4.0
INTB 336	International Money and Finance	4.0
Select one of the following sequences:		8.0
MATH 311 & MATH 312	Probability and Statistics I and Probability and Statistics II	
STAT 201 & STAT 202	Introduction to Business Statistics and Business Statistics II	
Economics Electives		20.0
Select 20.0 credits from any of the following:		
ECON 260	Economics of Small Business	
ECON 326 [WI]	Economic Ideas	
ECON 330	Managerial Economics	
ECON 331	International Macroeconomics	
ECON 334	Public Finance	
ECON 336	Labor Economics	
ECON 338	Industrial Organization	
ECON 342	Economic Development	
ECON 344	Comparative Economic Systems	
ECON 348	Mathematical Economics	
ECON 351	Resource and Environmental Economics	
ECON 498	Special Topics in Economics	
INTB 332	Multinational Corporations	
INTB 440	Seminar in International Business	
INTB 338	Regional Studies in Economic Policies and International Business	
ENVS 370	Practice of Environmental Economics	
FIN 301	Introduction to Finance	
FIN 325	Financial Institutions and Markets	
SOC 240	Urban Sociology	
SOC 260 [WI]	Classical Social Theory	
Additional Requirements [**]		
Coordinate Field		26.0
Additional courses as required to satisfy a coordinating field (a second major, minor, or one of the two available concentrations below)		
Free electives		29.0
Total Credits		**187.0**

[*]   Students pursuing the concentration in Mathematical Economics can select CS 171 instead of CS 143.

[**]   Students who take the Mathematical Economics or Business Economics concentrations must complete the required concentration courses and free electives for a total of 55 credits.

Mathematical Economics Concentration

Students selecting this concentration must have satisfied the general educational mathematics requirements by taking and .

ECON 348	Mathematical Economics	4.0
MATH 123	Calculus III	4.0
MATH 200	Multivariate Calculus	4.0
MATH 201	Linear Algebra	4.0
MATH 210	Differential Equations	4.0
Select three of the following:		9.0-12.0
MATH 220 [WI]	Introduction to Mathematical Reasoning	
MATH 285	Differential Equations II	
MATH 300	Numerical Analysis I	
MATH 301	Numerical Analysis II	
MATH 305	Introduction to Optimization Theory	
MATH 320	Actuarial Mathematics	
MATH 401	Elements of Modern Analysis I	
MATH 402	Elements of Modern Analysis II	
Free Electives		23.0-26.0
Total Credits		**55.0**

Business Economics Concentration

Required Courses

ACCT 115	Financial Accounting Foundations	4.0
ECON 330	Managerial Economics	4.0
FIN 301	Introduction to Finance	4.0
MIS 200	Management Information Systems	4.0
ORGB 300 [WI] or BLAW 201	Organizational Behavior Business Law I	4.0
Select two of the following:		8.0
ACCT 116	Managerial Accounting Foundations	
FIN 302	Intermediate Corporate Finance	
FIN 321	Investment Securities & Markets	
MKTG 301	Introduction to Marketing Management	
OPM 200	Operations Management	
Free Electives		27.0
Total Credits		**55.0**

Sample Plan of Study (BS)

Term 1		Credits
ECON 201	Principles of Microeconomics	4.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
PSY 101	General Psychology I	3.0
MATH 121 or 101	Calculus I Introduction to Analysis I	4.0
UNIV B101 [WI]	The Drexel Experience	1.0
	Term Credits	**15.0**
Term 2		
CS 143	Computer Programming Fundamentals	3.0
ECON 202	Principles of Macroeconomics	4.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
SOC 101	Introduction to Sociology	3.0
MATH 122 or 102	Calculus II Introduction to Analysis II	4.0
	Term Credits	**17.0**
Term 3		
ANTH 101	Introduction to Cultural Diversity	3.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
Laboratory science course		3.0
Philosophy elective		3.0
Economics elective[*]		4.0
	Term Credits	**16.0**
Term 4		
COM 270 [WI]	Business Communication	3.0
ECON 301	Microeconomics	4.0
STAT 201	Introduction to Business Statistics	4.0
History elective		3.0
Laboratory Science course		3.0
	Term Credits	**17.0**
Term 5		
ECON 250	Game Theory and Applications	4.0
ECON 321	Macroeconomics	4.0
STAT 202	Business Statistics II	4.0
Laboratory Science course		3.0
	Term Credits	**15.0**
Term 6		
ECON 350 [WI]	Applied Econometrics	4.0
INTB 334	International Trade	4.0
ENGL 200 through ENGL 399		3.0
Coordinate Field course (concentration/minor) or a Free elective		3.0
Philosophy elective		3.0
	Term Credits	**17.0**
Term 7		
ECON 360	Time Series Econometrics	4.0
INTB 336	International Money and Finance	4.0
Coordinate Field course (concentration/minor) or Free elective		3.0
History elective		3.0
	Term Credits	**14.0**
Term 8		
Economics electives[*]		8.0
ENGL 200 through ENGL 399 course		3.0
Coordinate field course (concentration/minor) or a Free elective		3.0
Fine Arts elective		3.0
	Term Credits	**17.0**
Term 9		
Economics elective[*]		4.0
Coordinate Field courses (concentration/minor) or Free electives		6.0

Free electives		6.0
Term Credits		**16.0**
Term 10		
ECON 322 [WI]	Economics Seminar	4.0
UNIV B101 [WI]	The Drexel Experience	1.0
Coordinate Field course (concentration/minor) or a Free elective		3.0
Economics elective*		4.0
Free elective		3.0
Term Credits		**15.0**
Term 11		
Coordinate Field courses (concentration/minor) or Free electives		8.0
Economics elective*		4.0
Free elective		4.0
Term Credits		**16.0**
Term 12		
Free electives		12.0
Term Credits		**12.0**

Total Credit: 187.0

* See degree requirements for a list of courses that satisfy the Economics elective requirements.

Degree Requirements (BA)

General Education Requirements

ANTH 101	Introduction to Cultural Diversity	3.0
COM 230	Techniques of Speaking	3.0
COM 270 [WI]	Business Communication	3.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
INTB 200	International Business	4.0
MATH 101	Introduction to Analysis I	4.0
or MATH 121	Calculus I	
MATH 102	Introduction to Analysis II	4.0
or MATH 122	Calculus II	
PHIL 101	Introduction to Western Philosophy	3.0
PHIL 105	Critical Reasoning	3.0
or PHIL 371	Philosophy of Social Sciences	
PSY 101	General Psychology I	3.0
SOC 101	Introduction to Sociology	3.0
UNIV B101 [WI]	The Drexel Experience	2.0
College of Media Arts and Design elective		3.0
Two Laboratory Science courses *		6.0
Political Science elective		3.0
Social Science elective		3.0
Diversity elective		3.0
International Studies elective		3.0
Two Modern Language courses (at least through 201 level)		8.0
Required Economics Courses		
ECON 201	Principles of Microeconomics	4.0
ECON 202	Principles of Macroeconomics	4.0
ECON 250	Game Theory and Applications	4.0
ECON 301	Microeconomics	4.0
ECON 321	Macroeconomics	4.0
ECON 322 [WI]	Economics Seminar	4.0
ECON 326 [WI]	Economic Ideas	4.0
INTB 334	International Trade	4.0
INTB 336	International Money and Finance	4.0
STAT 201	Introduction to Business Statistics	4.0
Economics Electives		20.0
Select five of the following:		
ECON 260	Economics of Small Business	
ECON 330	Managerial Economics	
ECON 331	International Macroeconomics	
ECON 334	Public Finance	
ECON 336	Labor Economics	
ECON 338	Industrial Organization	
ECON 342	Economic Development	
ECON 344	Comparative Economic Systems	
ECON 348	Mathematical Economics	
ECON 350 [WI]	Applied Econometrics	
ECON 351	Resource and Environmental Economics	
ECON 360	Time Series Econometrics	
ENVS 370	Practice of Environmental Economics	
FIN 301	Introduction to Finance	
FIN 325	Financial Institutions and Markets	
INTB 332	Multinational Corporations	
INTB 338	Regional Studies in Economic Policies and International Business	
INTB 440	Seminar in International Business	
SOC 240	Urban Sociology	
SOC 260 [WI]	Classical Social Theory	
Coordinate Field (Minor or Major)		24.0
Two of the courses in the chosen coordinate field must be 200 level or above.		
Free Electives		30.0
Total Credits		**187.0**

* Science courses are selected from Biology (BIO), Chemistry (CHEM), Environmental Science (ENVS), Physics (PHYS), or Physics-Environmental Science (PHEV).

Plan of Study (BA)

Term 1		Credits
UNIV B101 [WI]	The Drexel Experience	1.0
ECON 202	Principles of Macroeconomics	4.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0

MATH 101 or 121	Introduction to Analysis I Calculus I	4.0
PSY 101	General Psychology I	3.0
	Term Credits	**15.0**
Term 2		
ECON 202	Principles of Macroeconomics	4.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
MATH 102 or 122	Introduction to Analysis II Calculus II	4.0
SOC 101	Introduction to Sociology	3.0
	Term Credits	**14.0**
Term 3		
ANTH 101	Introduction to Cultural Diversity	3.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
PHIL 101	Introduction to Western Philosophy	3.0
INTB 200	International Business	4.0
Laboratory Science course		3.0
	Term Credits	**16.0**
Term 4		
ECON 301	Microeconomics	4.0
COM 230 or 270 [WI]	Techniques of Speaking Business Communication	3.0
STAT 201	Introduction to Business Statistics	4.0
Laboratory Science course		3.0
College of Media Arts & Design elective		3.0
	Term Credits	**17.0**
Term 5		
ECON 250	Game Theory and Applications	4.0
ECON 321	Macroeconomics	4.0
Modern Language elective		4.0
Politics Science elective		4.0
	Term Credits	**16.0**
Term 6		
ECON 326 [WI]	Economic Ideas	4.0
INTB 334	International Trade	4.0
Coordinate Field course		3.0
Modern Language elective (101 or higher)		4.0
	Term Credits	**15.0**
Term 7		
INTB 336	International Money and Finance	4.0
PHIL 105 or 371	Critical Reasoning Philosophy of Social Sciences	3.0
Modern Language course (103) or Free elective		4.0
Coordinate Field course		3.0
Economics elective		4.0
	Term Credits	**18.0**
Term 8		
Modern Languages (201 or Free elective)		4.0
Diversity elective		3.0
Economics elective		4.0

Coordinate Field courses	6.0
Term Credits	**17.0**
Term 9	
Coordinate Field courses	6.0
International elective	3.0
Social Science elective	3.0
Economics elective	4.0
Term Credits	**16.0**
Term 10	
ECON 322 [WI] Economics Seminar	4.0
UNIV B101 [WI] The Drexel Experience	1.0
Coordinate Field course	3.0
Economics elective	4.0
Free elective	3.0
Term Credits	**15.0**
Term 11	
Coordinate Field course	3.0
Economics elective	4.0
Free electives	9.0
Term Credits	**16.0**
Term 12	
Free electives	12.0
Term Credits	**12.0**

Total Credit: 187.0

Co-op/Career Opportunities

The study of economics prepares students for a variety of fields: research economists in banks, government and universities; law; economic development for local government, banks and firms; business management and consulting; government and international agencies, such as the CIA, World Bank, IMF and USAID; and business and economic journalism.

Career Paths and Degree Combinations

Economics provides an excellent foundation for many career options and can also be combined with many other majors and minors in preparing students for great careers.

For example:

Banking and Finance

- Economics and Finance
- Economics and Business
- Economics and Mathematics
- Business Economics Concentration
- Economics and Physics

Academia

- Economics and Anthropology
- Economics and Psychology
- Economics and Mathematics
- Economics and Philosophy

Economics Research in Industry

- Economics and Mathematics
- Mathematical Economics Concentration
- Economics and Marketing
- Economics and Finance

High Tech and IT Industries

- Economics and Information Systems
- Economics and Chemistry
- Economics and Biology

Economics Research in Governments and International Organizations

- Economics and Environmental Studies
- Economics and Political Science
- Economics and International Studies

Law School and Other Graduate School Options

- Economics and Legal Studies
- Economics and Philosophy
- Economics and Political Science
- Economics and International Studies

Opportunities

Recently, economics students have obtained positions at the following institutions:

- Federal Reserve Bank, Board of Governors
- Citibank
- Vanguard Corporation
- Deloitte Consulting
- Black Rock Inc.
- Tyco Electronics

Visit the Drexel Steinbright Career Development Center (http://www.drexel.edu/scdc) page for more detailed information on co-op and post-graduate opportunities.

Dual/Accelerated Degree

Dual Degree Bachelor's Programs

With careful planning, students can complete two full degrees in the time usually required to complete one. The double major option works best in closely related areas. For detailed information the student should contact his or her advisor.

Degree Requirements

General Education Requirements

ANTH 101	Introduction to Cultural Diversity	3.0
COM 270 [WI]	Business Communication (WI)	3.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0

Select one of the following sequences:

MATH 101 & MATH 102	Introduction to Analysis I and Introduction to Analysis II	
MATH 121 & MATH 122	Calculus I and Calculus II (recommended)	
PSY 101	General Psychology I	3.0
SOC 101	Introduction to Sociology	3.0
UNIV 101	The Drexel Experience	2.0
Fine Arts Elective		3.0
Three Laboratory Science Electives		9.0-12.0
Two English Literature Electives: (ENGL 200 through ENGL 399)		6.0
Two History Electives		6.0
Two Philosophy Electives		6.0
Select one of the following:		3.0
CS 161	Introduction to Computing	
CS 171	Computer Programming I	
Professional Requirements		
ECON 201	Principles of Microeconomics	4.0
ECON 202	Principles of Macroeconomics	4.0
ECON 250	Game Theory and Applications	4.0
ECON 301	Microeconomics	4.0
ECON 321	Macroeconomics	4.0
ECON 322 [WI]	Economics Seminar	4.0
ECON 330	Managerial Economics [*]	4.0
ECON 348	Mathematical Economics [**]	4.0
ECON 350 [WI]	Applied Econometrics (WI)	4.0
ECON 360	Time Series Econometrics	4.0
INTB 334	International Trade	4.0
INTB 336	International Money and Finance	4.0
Select one of the following sequences:		8.0
MATH 311 & MATH 312	Probability and Statistics I and Probability and Statistics II	
STAT 201 & STAT 202	Introduction to Business Statistics and Business Statistics II	
Professional Electives		
Select six of the following:		20.0
Any other ECON courses numbered above 240		
Any other INTB courses		
ENVS 370	Practice of Environmental Economics	
FIN 301	Introduction to Finance [***]	
FIN 325	Financial Institutions and Markets [***]	
SOC 240	Urban Sociology	
SOC 260 [WI]	Classical Social Theory	
Additional Requirements:		
BS in Economics		
Coordinate Field		24.0
Additional courses as required to satisfy a coordinating field (a second major, minor, or one of the two available concentrations below).		
Free Electives		28.0
Total Credits		**184.0-187.0**

*   Only required for students pursuing the BS in Economics/Business Economics Concentration

**   Only required for students pursuing the BS in Economics/ Mathematical Economics Concentration

***   Required for the BS in Economics/Business Economics Concentration

Minor in Economics

The minor in economics provides a solid background in the application of economic theory to markets. Students complete standard courses in micro- and macroeconomics that emphasize core training in economic decision making. Students also choose a course that applies this training to areas such as international economics, firm and industry behavior, quantitative economic analysis, and public policy. This type of analytical training provides a strong complement to many majors, including business fields, but would be especially useful for students interested in careers in public policy or law.

Requirements

- No more than 2 courses or 8.0 credits required by a student's major may be counted towards this minor.
- A grade of "C" (2.0) or better must be earned for each course in this minor for it to be counted.
- No more than two transfer courses may be used to complete this minor. Transfer credits must be taken before matriculated at Drexel.
- Students should check the pre-requisites of all classes when selecting electives. It is the responsibility of the student to know pre-requisites.
- Business administration and business & engineering students may complete any of the business minors, including: accounting, business, economics, entrepreneurship, finance, international economics, legal studies, management information systems, marketing, and operations & supply chain management.
- Cannot do a major and a minor in the same field of study.

All prospective students should meet with an advisor from the College as soon as possible. Call 215.895.2110 to set up an appointment.

Required Courses

ECON 201	Principles of Microeconomics	4.0
ECON 202	Principles of Macroeconomics	4.0
ECON 301	Microeconomics	4.0
ECON 321	Macroeconomics	4.0
ECON 322 [WI]	Economics Seminar	4.0
Select one of the following:		4.0
ECON 250	Game Theory and Applications	
ECON 326 [WI]	Economic Ideas	
ECON 334	Public Finance	
ECON 336	Labor Economics	
ECON 338	Industrial Organization	
ECON 342	Economic Development	
ECON 348	Mathematical Economics	
ECON 350 [WI]	Applied Econometrics	
ECON 351	Resource and Environmental Economics	
INTB 332	Multinational Corporations	
INTB 334	International Trade	
INTB 336	International Money and Finance	
INTB 338	Regional Studies in Economic Policies and International Business	
Total Credits		**24.0**

Economics and International Business Faculty

Marco Airaudo, PhD *(University of Pennsylvania Philadelphia)*. Assistant Professor. Computational economics, international economics, macroeconomics and monetary economics.

Richard Barnett, PhD *(University of Minnesota)*. Associate Clinical Professor. Economic theory, macroeconomics.

Sebastien Bradley, PhD *(University of Michigan)*. Assistant Professor. Public finance, international economics.

Mian Dai, PhD *(Northwestern University)*. Assistant Professor. Managerial economics and strategy.

Pia DiGirolamo, PhD *(Purdue University)*. Assistant Clinical Professor. Macroeconomics, international finance.

Anne Duchene, PhD *(Ecole Nationale des Ponts et Chaussees, France) Department of Economics and International Business*. Assistant Professor. Microeconomics, industrial organization, law and economics.

Ramya Ghosh, PhD *(Claremont Graduate University)*. Assistant Clinical Professor. International economics.

Shawkat M. Hammoudeh, PhD *(University of Kansas) Department of Economics and International Business*. Professor. Applied econometrics, financial economics, international economics, natural resource economics.

Teresa D. Harrison, PhD *(University of Texas at Austin) Department of Economics and International Business*. Associate Professor. Econometrics, public finance, industrial organization, empirical microeconomics including health and nonprofit organizations.

Paul E. Jensen, PhD *(Penn State University) Associate Dean, College of Business*. Associate Professor. International trade. Primary research interest is international trade, particularly in empirical studies of international trade patterns.

Bang Nam Jeon, PhD *(Indiana University) Department of Economics and International Business*. Professor. Financial economics, world financial market linkages, foreign direct investment flows in the Asia-Pacific economies, the Korean economy: currency crisis, FDI, and macroeconomic issues, regional economic integration and newly industrializing economies: the

Stephen Joyce, MA *(Temple University) Department of Economics and International Business*. Assistant Clinical Professor. Education and human capital.

Christopher A. Laincz, PhD *(Duke University) Department of Economics and International Business*. Associate Professor. Economic

development, technological change, and growth, industrial organization, macroeconomics and monetary economics.

Vibhas Madan, PhD *(Michigan State University) Head of the Department of Economics and International Business.* Professor. International trade theory, applied microeconomics.

Roger A. McCain, PhD *(Louisiana State University) Department of Economics and International Business.* Professor. Computational economics, game theory.

Irina Murtazashvili, PhD *(Michigan state University).* Assistant Professor. Applied econometrics.

Maria Olivero, PhD *(Duke University) Department of Economics and International Business.* Associate Professor. Macroeconomics, international finance.

Eydis Olsen, MA *(American University) Department of Economics and International Business.* Clinical Associate Professor. Macroeconomics, political economy.

Konstantinos Serfes, PhD *(University of Illinois at Champaign-Urbana) Department of Economics and International Business.* Associate Professor. Industrial organization; microeconomics.

Mark Stehr, PhD *(University of California at Berkeley) Department of Economics and International Business.* Associate Professor. Health Economics, public finance, public policy.

Constantinos Syropoulos, PhD *(Yale University) Trustee Professor of International Economics, Department of Economics and International Business.* Professor. International trade, political economy, applied microeconomics.

Matthew Weinberg, PhD *(Princeton University).* Assistant Professor. Antitrust and regulation, applied econometrics, industrial organization.

Yoto Yotov, PhD *(Boston College).* Associate Professor. International trade, applied microeconomics, political economy.

Interdepartmental Faculty

Bruce D. McCullough, PhD *(University of Texas).* Professor. Applied econometrics; reliability of statistical and econometric software; business data mining.

Emeritus Faculty

Edward C. Koziara, PhD *(University of Wisconsin) Department of Economics and International Business.* Professor Emeritus. Applied micro and macro economics.

Bijou Yang Lester, PhD *(University of Pennsylvania) Department of Economics and International Business.* Professor Emeritus. Behavioral characteristics of shopping on-line, economic issues of electronic commerce, contingent employment and part-time work, the economy and suicide.

Andrew G. Verzilli, PhD *(Boston College).* Professor Emeritus. Teaching effectiveness in economics; economics and financial history.

Chiou-shuang Yan, PhD *(Purdue University).* Professor Emeritus. International economics, input-output analysis.

Courses

ECON 201 Principles of Microeconomics 4.0 Credits
Examines allocation of resources within an economy. Major topics include interaction of supply and demand in markets, consumer choice, cost structure of firms, and profit maximization for competitive forms as well as firms with market power.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

ECON 202 Principles of Macroeconomics 4.0 Credits
Examines measurement, growth, and fluctuation of aggregate economic activity. Includes national income accounting and explains determination of output, employment, and price level. Also provides an introduction to international economics, money and banking, and economic policy. Some or all pre-requisites may be taken as either a pre-requisite or co-requisite. Please see the department for more information.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: ECON 201 [Min Grade: D] (Can be taken Concurrently)

ECON 240 Economics of Health Care Systems 4.0 Credits
Examine the health care industry from an economic perspective, including demand, cost-benefit analysis, insurance, supply constraints, and the role of the government.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

ECON 250 Game Theory and Applications 4.0 Credits
Introduces the basic ideas of game theory with a minimum of mathematics; and discuses application to economics, politics, business, behavioral science, philosophy, population biology and engineering.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: STAT 201 [Min Grade: C] or STAT 205 [Min Grade: C] or MATH 107 [Min Grade: C]

ECON 260 Economics of Small Business 4.0 Credits
Discusses economic topics relevant to the role and varieties of small businesses in industrialized economies, and to government policy with respect to small business.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: ECON 201 [Min Grade: C]

ECON 301 Microeconomics 4.0 Credits
Examines theory of the firm and theory of the consumer in a rigorous fashion. Also covers risk and uncertainty, price determination, market failures, and analysis of various government policies.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C] and (MATH 102 [Min Grade: C] or MATH 121 [Min Grade: C])

ECON 321 Macroeconomics 4.0 Credits
Provides an in-depth introduction to dominant theories behind short-run economic fluctuations and long-run economic growth. Employs both mathematical and graphical tools to discuss determination of output, employment, and price level in the aggregate economy. Also covers effectiveness of monetary and fiscal policies in dealing with unemployment and inflation.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C] and ECON 301 [Min Grade: C] and (MATH 102 [Min Grade: C] or MATH 121 [Min Grade: C])

ECON 322 [WI] Economics Seminar 4.0 Credits
Requires research and writing of a scholarly paper on a topic in economics approved by an appointed faculty adviser. This is a writing intensive course.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 301 [Min Grade: C] and ECON 321 [Min Grade: C]

ECON 326 [WI] Economic Ideas 4.0 Credits
Covers the history of economic thought and development of different schools of thinking in economics. This is a writing intensive course.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C]

ECON 330 Managerial Economics 4.0 Credits
Covers applied economics relevant for decision-making processes. Emphasizes profit management, demand and cost analysis, pricing, and government policy.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C]

ECON 331 International Macroeconomics 4.0 Credits
This course covers fundamental issues in open economy macroeconomics. We will learn about how fiscal and monetary policy work when the economy is open to international trade in goods and services and to international capital flows. We will also study the effects of these policies on the current account and the exchange rate. The course treatment will be mainly theoretical. However, we will frequently refer to features of the international financial markets data, and we will use examples, case studies, readings, videos and policy applications to illustrate the findings of the theory and/or to try to bridge the gap between the predictions of theoretical models and real world developments.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C]

ECON 334 Public Finance 4.0 Credits
Applies economic principles and cost-benefit analysis to the operation of government, with emphasis on understanding why private markets fail to provide public goods. Explores the current American tax system from three points of view: how efficient it is, who really pays, and how it might be reformed.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C] and (MATH 102 [Min Grade: C] or MATH 121 [Min Grade: C])

ECON 336 Labor Economics 4.0 Credits
Develops an understanding of how labor institutions operate to determine wages and employment. Examines alternative policy questions involving unemployment and inflation, collective bargaining, investment in education and training, and other labor-related questions. Requires students to apply theoretical and empirical abilities to research a labor-related issue and improve the ability to think clearly and communicate effectively.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C]

ECON 338 Industrial Organization 4.0 Credits
Examines observational studies of industries with respect to competitive or non-competitive structure, conduct, and performance. Considers implications of profitability, technological innovation, antitrust policy, and competitiveness in trade. Reviews problems of measurement and sources of data.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C] and (MATH 102 [Min Grade: C] or MATH 121 [Min Grade: C])

ECON 342 Economic Development 4.0 Credits
Covers topics including driving forces of economic growth, economic planning, income distribution and poverty, labor migration, capital markets and saving, international debt problems and global economic crisis. Emphasizes underlying theories and realities of economic growth and development of less developed economies and emerging economies.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C]

ECON 344 Comparative Economic Systems 4.0 Credits
Covers theory and contemporary practices of capitalism, socialism, fascism, and the welfare state as economic systems.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C]

ECON 348 Mathematical Economics 4.0 Credits
Discusses the application of mathematics in economic models, with extensive discussion of economic applications of linear algebra and calculus. Considers implications of the assumptions of maximization of profits and utility. Stresses mathematical models and techniques useful in statistical applications of economics.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C] and (MATH 102 [Min Grade: C] or MATH 121 [Min Grade: C])

ECON 350 [WI] Applied Econometrics 4.0 Credits
Applies statistics to economics, with emphasis on the special problems of statistical analysis of economic data, sources of data, and examples of applications and models. Covers forecasting the impacts of changing economic policy and of developments in industrial markets using economic-statistical models. This is a writing intensive course.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C] and STAT 201 [Min Grade: C]

ECON 351 Resource and Environmental Economics 4.0 Credits
Examines the microeconomic and quantitative aspects of markets for both renewable and exhaustible resources, and the interaction between the energy and resource sectors of the economy and between the productive sectors of the economy and the natural environment, with evaluation of major public policy initiatives and issues in these areas.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C]

ECON 360 Time Series Econometrics 4.0 Credits
Introduce time-series econometric models and provide tools for empirical analysis using time-series economic and financial data, with specific emphasis on application and forecasting.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: ECON 201 [Min Grade: D] and ECON 202 [Min Grade: D] and ECON 350 [Min Grade: D]

ECON 498 Special Topics in Economics 0.5-12.0 Credits
This course covers topics of particular interest to students in economics.
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C]

ECON 499 Independent Study 0.5-5.0 Credits
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit

Entrepreneurship

Bachelor of Science in Business Administration (BSBA): 180.0 quarter credits

About the Program

Entrepreneurs and the new ventures they create fuel the economy. Entrepreneurs recognize market opportunities that others fail to see. A thriving population of entrepreneurs is essential to progress. Drexel's tradition of technological excellence and entrepreneurial spirit provide LeBow with an opportunity to offer a distinctive *interdisciplinary* entrepreneurship curriculum in the Philadelphia region. The entrepreneurship faculty bring a unique blend of research, experiences and teaching in this area. In addition, LeBow is able to integrate the resources and offerings of the Baiada Institute (http://www.lebow.drexel.edu/Centers/Baiada) into our curriculum.

The major in entrepreneurship is designed for students interested in starting their own ventures, working for start-up companies, or pursuing traditional jobs with large corporations and consulting firms that may involve launching new business units, joint ventures, and creating strategic alliances.

The entrepreneurship major provides students with an opportunity to have a hands-on experience to study and work at the Baiada Institute. Moreover, the curriculum includes courses in finance, law and marketing that are geared toward the issues in entrepreneurship.

Degree Requirements

Bachelor of Science in Business Administration (BSBA) Degree Requirements

General Education Requirements

ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
COM 270 [WI]	Business Communication	3.0
MATH 101	Introduction to Analysis I	4.0
MATH 102	Introduction to Analysis II	4.0
PHIL 105	Critical Reasoning	3.0
PSY 101	General Psychology I	3.0
UNIV B101 [WI]	The Drexel Experience	1.0
UNIV B201	Career Management	1.0
English literature elective ENGL 200 through ENGL 399		3.0
Fine Arts elective		3.0
History (HIST) elective		3.0
Select two of the following:		6.0
BIO 100	Applied Cells, Genetics & Physiology	
or BIO 101	Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	
General Education Electives		

Students select seven (21.0 credits) general education electives, with a minimum of one course in each of the following three categories. Students take the remaining 12.0 credits from any of the topics listed under Additional General Education Electives.

Society and Culture	
Communication, English, Fine Arts, International Area Studies, Language or Philosophy	3.0

Social Science		
Anthropology, History, Sociology, Political Science, Psychology		3.0
Science		
Computer Science, Information Systems, Science		3.0
Additional General Education Electives		
Twelve (12) credits must be earned by taking 4 courses from the following topics: Communication, English, Fine Arts, International Area Studies, Language, Philosophy, Anthropology, History, Sociology, Political Science, Psychology, Computer Science, Information Systems, Math, Science		12.0
Business Requirements		
ACCT 115	Financial Accounting Foundations	4.0
ACCT 116	Managerial Accounting Foundations	4.0
BUSN 101	Foundations of Business I (Online students take BUSN 111)	4.0
BUSN 102	Foundations of Business II (Online students take BUSN 112)	4.0
BLAW 201	Business Law I	4.0
ECON 201	Principles of Microeconomics	4.0
ECON 202	Principles of Macroeconomics	4.0
FIN 301	Introduction to Finance	4.0
INTB 200	International Business	4.0
MGMT 450	Strategy and Competitive Advantage	4.0
MIS 200	Management Information Systems	4.0
MKTG 301	Introduction to Marketing Management	4.0
OPM 200	Operations Management	4.0
ORGB 300 [WI]	Organizational Behavior	4.0
STAT 201	Introduction to Business Statistics	4.0
Select one of the following:		4.0
BUSN 451	Business Consulting	
MGMT 260	Introduction to Entrepreneurship	
MGMT 451	Management Simulation	
STAT 202	Business Statistics II	
Major Requirements		
Eight required courses (See Major Requirements list below)		32.0
Free Electives		20.0
Total Credits		**180.0**

Required Entrepreneurship Major Courses

MGMT 260	Introduction to Entrepreneurship	4.0
MGMT 363	Directed Study in Entrepreneurship	4.0
MGMT 364	Technology Management	4.0
MGMT 365	Business Plan for Entrepreneurs	4.0
Select four of the following:		16.0
BLAW 346	Entrepreneurial Law	
FIN 335	Entrepreneurial Finance	
MKTG 347	New Product Development	
MKTG 364	Marketing for New Ventures	
ORGB 420	Negotiations and Conflict Resolution	
Total Credits		**32.0**

Sample Plan of Study

Term 1		Credits
BUSN 101	Foundations of Business I	4.0
ECON 201	Principles of Microeconomics	4.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
MATH 101	Introduction to Analysis I	4.0
UNIV B101 [WI]	The Drexel Experience	1.0
	Term Credits	**16.0**
Term 2		
BUSN 102	Foundations of Business II	4.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
ECON 202	Principles of Macroeconomics	4.0
MATH 102	Introduction to Analysis II	4.0
	Term Credits	**15.0**
Term 3		
ACCT 115	Financial Accounting Foundations	4.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
PSY 101	General Psychology I	3.0
Society and culture elective		3.0
General education elective		3.0
	Term Credits	**16.0**
Term 4		
ACCT 116	Managerial Accounting Foundations	4.0
STAT 201	Introduction to Business Statistics	4.0
History (HIST) elective		3.0
Select one of the following:		3.0
BIO 100 or 101	Applied Cells, Genetics & Physiology Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	
	Term Credits	**14.0**
Term 5		
BLAW 201	Business Law I	4.0
COM 270 [WI]	Business Communication	3.0
MGMT 260	Introduction to Entrepreneurship	4.0
Select one of the following:		3.0
BIO 100 or 101	Applied Cells, Genetics & Physiology Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	
	Term Credits	**14.0**
Term 6		
INTB 200	International Business	4.0
MIS 200	Management Information Systems	4.0
OPM 200	Operations Management	4.0
ENGL 200 - ENGL 399 course		3.0
	Term Credits	**15.0**

Term 7

FIN 301	Introduction to Finance	4.0
MKTG 301	Introduction to Marketing Management	4.0
ORGB 300 [WI]	Organizational Behavior	4.0
Science elective		3.0
	Term Credits	**15.0**

Term 8

PHIL 105	Critical Reasoning	3.0
Select two of the following:		8.0
BLAW 346	Entrepreneurial Law	
FIN 335	Entrepreneurial Finance	
MKTG 347	New Product Development	
MKTG 364	Marketing for New Ventures	
ORGB 420	Negotiations and Conflict Resolution	
Free electives		4.0
	Term Credits	**15.0**

Term 9

MGMT 365	Business Plan for Entrepreneurs	4.0
Fine arts elective		3.0
Social science elective		3.0
General education electives		3.0
General education electives		3.0
	Term Credits	**16.0**

Term 10

Select one of the following:		4.0
BLAW 346	Entrepreneurial Law	
FIN 335	Entrepreneurial Finance	
MKTG 347	New Product Development	
MKTG 364	Marketing for New Ventures	
ORGB 420	Negotiations and Conflict Resolution	
MGMT 363	Directed Study in Entrepreneurship	4.0
UNIV B201	Career Management	1.0
General education elective[*]		3.0
Free electives		3.0
	Term Credits	**15.0**

Term 11

MGMT 364	Technology Management	4.0
MGMT 450	Strategy and Competitive Advantage	4.0
Select one of the following:		4.0
BLAW 346	Entrepreneurial Law	
FIN 335	Entrepreneurial Finance	
MKTG 364	Marketing for New Ventures	
MKTG 347	New Product Development	
ORGB 420	Negotiations and Conflict Resolution	
Free elective		3.0
	Term Credits	**15.0**

Term 12

Free electives		14.0
	Term Credits	**14.0**

Total Credit: 180.0

[*]   See degree requirements.

Career Opportunities

The entrepreneurship concentration prepares students for a wide range of job opportunities.

- *Traditional jobs with large corporations and consulting firms*: Careers may involve joint venture or strategic alliances that require the creation and launch of new business units.
- *Employment in new ventures*: Because they are able to make valuable contributions, individuals with an academic background in entrepreneurial studies are in demand among start-ups and growing new ventures.
- *Entrepreneurs*: Increasingly, students are interested in starting their own ventures. At Drexel, this is evidenced by the popularity of our Baiada Business Plan Competition and the incubating companies in the Baiada Center for Technology Entrepreneurship (http://www.lebow.drexel.edu/Centers/Baiada) .

Visit the Drexel Steinbright Career Development Center (http://www.drexel.edu/scdc) page for more detailed information on co-op and post-graduate opportunities.

Minor in Entrepreneurship

The minor in entrepreneurship is designed for students from a range of backgrounds who are interested in starting their own ventures, working for start-up companies, or pursuing traditional jobs with large corporations and consulting firms that may involve launching new business units, joint ventures, and creating strategic alliances.

The curriculum draws upon Drexel University's tradition of technological excellence and the offerings of the Baiada Institute. Coupled with the student co-op experience, the program provides a distinctive curriculum that may encompass real entrepreneurial issues.

Requirements

- No more than 2 courses or 8.0 credits required by a student's major may be counted towards this minor.
- A grade of "C" (2.0) or better must be earned for each course in this minor for it to be counted.
- No more than two transfer courses may be used to complete this minor. Transfer credits must be taken before matriculated at Drexel.
- Students should check the pre-requisites of all classes when selecting electives. It is the responsibility of the student to know pre-requisites.
- Business administration and business & engineering students may complete any of the business minors, including: accounting, business, economics, entrepreneurship, finance, international economics, legal studies, management information systems, marketing, and operations & supply chain management.
- Cannot do a major and a minor in the same field of study.

All prospective students should meet with an advisor from the College as soon as possible. Call 215.895.2110 to set up an appointment.

Required Courses

ACCT 115	Financial Accounting Foundations	4.0
MGMT 260	Introduction to Entrepreneurship	4.0
MGMT 364	Technology Management	4.0
MGMT 365	Business Plan for Entrepreneurs	4.0

Select two of the following: *		8.0
BLAW 346	Entrepreneurial Law	
FIN 301	Introduction to Finance	
FIN 335	Entrepreneurial Finance	
MKTG 347	New Product Development	
MKTG 364	Marketing for New Ventures	
MGMT 363	Directed Study in Entrepreneurship **	
ORGB 300 [WI]	Organizational Behavior	
Total Credits		**24.0**

* Students select two of the following (or 8 credits of courses from a different college/school with approval from the Department of Management).

** For seniors only, with permission from the Head of the Department of Management (http://www.lebow.drexel.edu/Faculty/Departments/Management).

Facilities

Management Faculty

Shanti Dewi Anak Agung Istri, PhD *(Georgia Institute of Technology)*. Assistant Professor. Technology commercialization; technology entrepreneurship.

Murugan Anandarajan, PhD *(Drexel University) Head of Department, Management*. Professor. Individual Internet usage behavior (specifically abuse and addiction); Application of artificial intelligence techniques in forensic accounting and ophthalmology.

Orakwue B. Arinze, PhD *(London School of Economics)*. Professor. Client/Server computing; Enterprise Application Software (EAS)/ Enterprise Resource Planning Software (ERP); knowledge-based and decision support applications in operations management.

Suresh Chandran, PhD. Associate Clinical Professor. Corporate entrepreneurship; corporate social responsibility; global management; intellectual property and employee rights.

Qizhi Dai, PhD *(University of Minnesota)*. Associate Professor. Business to Business E-Commerce; information technology adoption; economic analysis of information systems.

Donna Marie De Carolis, PhD *(Temple University) Dean, Close School of Entrepreneurship*. Professor. Pharmaceutical/biotechnology industries; entrepreneurship; technology & strategy; technology commercialization, strategic alliances; social capital.

David Gefen, PhD *(Georgia State University)*. Professor. Strategic IT management; IT development and implementation management; research methodology; managing the adoption of large IT systems, such as MRP II, ERP, and expert systems; research methodology.

Azi Gera, PhD *(University of Maryland)*. Assistant Professor. Business planning, new venture performance and survival, social networking, cognition and strategy, determinants of firm performance, attention based view, business angles and VC firms, interfirm signaling, private equity investments.

Cuneyt Gozu, PhD *(University of Albany)*. Associate Clinical Professor.

Jeffrey H. Greenhaus, PhD *(New York University) William A. Mackie Professor of Management*. Professor. Career management, career decision making, work-family linkages, managing diversity,career and adult life development, organizational behavior/human resources, job design, models of work motivation and job attitudes, human resource staffing.

Mazhar Islam, PhD *(University of Minnesota)*. Assistant Professor. New markets in emerging countries, alliances, corporate entrepreneurship, emerging countries, pharmaceutical and biotechnology industry, technological innovation, transaction cost economics.

Robert W. Keidel, PhD *(Wharton School, University of Pennsylvania)*. Clinical Professor. Organization design and change, management of technology, strategic cognition.

Keisha Liggett-Nichols, EDB *(Georgia State University)*. Associate Clinical Professor. Corporate entrepreneurship, determinants of firm performance, evidence-based management.

Frank Linnehan, PhD *(Temple University) Interim Dean, LeBow College of Business.* Professor. Affirmative action; workforce diversity; equal employment; school-to-work transitions for younger workers. Research focuses on issues of race and diversity in the workplace.

Yu-Chieh Lo, PhD *(University of Southern California)*. Assistant Professor. Organization theory, technology entrepreneurship.

Mark Loschiavo, MS *(University of Kentucky)*. Clinical Professor. Business planning; new venture performance and survival; strategic management; strategic thinking; technology entrepreneurship.

Dali Ma, PhD *(University of Chicago)*. Assistant Professor. Status dynamics, social networks, founding team formation; venture capital syndication; family business; Chinese private entrepreneurship.

Michele K. Masterfano, DBA *(Argosy University of Sarasolta)*. Associate Clinical Professor. Entrepreneurship/small business administration, business planning, social capital, social networking.

Mary Mawritz, PhD *(University of Central Florida)*. Assistant Professor. Abusive supervision; deviant behavior; leadership.

Suchet Nadkarni, PhD *(University of Kansas)*. Associate Professor. Strategic management, cognition and strategy.

V. K. Narayanan, PhD *(University of Pittsburgh) Delloitte Touche Jones Stubbs Professor; Associate Dean of Research, Department of Management*. Corporate and business strategy; management of technology and innovation; strategy implementation; macro environmental analysis; knowledge management; competitor analysis and intelligence.

Haemin Park, PhD *(University of Washington)*. Assistant Professor. Corporate entrepreneurship; IPO; knowledge-based view of the firm; new venture performance and survival; technology entrepreneurship; venture capital.

Christian Resick, PhD *(Wayne State University)*. Associate Professor. Linkages between CEO personality with organizational culture, climate, and effectiveness; cross-cultural studies of ethical leadership beliefs and behaviors; roles of team leadership and member personality in building shared cognition and effective teamwo

Stanley Ridgley, PhD *(Duke University)*. Assistant Clinical Professor. Business communication; cognition and strategy; competitive intelligence;

determinants of firm performance; new markets in emerging countries; Russian business culture.

Raja Roy, PhD *(University of Pittsburgh).* Assistant Professor. Technology entrepreneurship, determinants of firm performance, technological change, technological innovation.

Samir Shah, DPS *(Pace University).* Associate Clinical Professor.

Sidney R. Siegel, PhD *(Drexel University).* Professor. Organizational change, development and behavior.

Daniel Tzabbar, PhD *(University of Toronto).* Assistant Professor. Business planning, social capital, technology entrepreneurship, alliances, human capital, innovation management, strategic management.

Joan Weiner, PhD *(The Wharton School, University of Pennsylvania).* Professor. Business ethics, leadership, communication and decision making; educational innovation; health system management design.

Jonathan C. Ziegert, PhD *(University of Maryland).* Associate Professor. Leadership; team dynamics; group performance; attraction and recruitment; discrimination.

Emeritus Faculty

Milton Silver, PhD *(Columbia University).* Professor Emeritus. Strategic planning and control systems, analysis and design of information systems, and executive and management development and training.

Courses

MGMT 260 Introduction to Entrepreneurship 4.0 Credits
The course focuses on entrepreneurship as a generic activity, including start-ups and corporate entrepreneurship. It explores the opportunities and challenges faced by individuals starting up new ventures and the probable paths of career development for the students pursuing entrepreneurship.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

MGMT 363 Directed Study in Entrepreneurship 4.0 Credits
This course provided student with real experiences in the realm of entrepreneurship under the guidance and direction Baiada Center in Technology Entrepreneurship. This course may not be repeated for credit.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: MGMT 260 [Min Grade: D]

MGMT 364 Technology Management 4.0 Credits
This course focuses on the dynamic of technological innovation and change, in particular, how new technologies create entrepreneurial opportunities. The course examines how industries and firms are transformed by new technologies and what factors affect innovation performance.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

MGMT 365 Business Plan for Entrepreneurs 4.0 Credits
In this course, students learn how to prepare a comprehensive strategy for launching a new business. The vehicle for achieving this is the preparation of a start-up business plan based on a selected opportunity.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: MGMT 260 [Min Grade: D]

MGMT 366 Entrepreneurship Certificate Project 1.0 Credit
This is a capstone special project for the Entrepreneurship Certificate. Students would propose a topic in entrepreneurship that is related to their undergraduate area. The topic would need to be approved by the Management Department Head.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Can enroll if classification is Senior.
Prerequisites: MGMT 260 [Min Grade: D] and MGMT 365 [Min Grade: D] and ACCT 120 [Min Grade: D]

MGMT 370 Business Consulting 4.0 Credits
Students act as consultants to local, national and global companies working on real business issues. Student teams, with the support of advisors and faculty, will focus their energy on helping clients achieve new insights to business challenges through data driven decisions. Projects integrate various business disciplines; students will define conceptual and theoretical issues, conduct research, and analyze data central to for-profit organizations. Students will present plans and recommendations to help resolve clients' business challenges. Clients and projects vary each term. Client team meetings may occur during business hours. Can be used as a business elective requirement. Cannot be repeated for credit. Open to juniors and seniors.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Can enroll if classification is Junior or Senior.

MGMT 371 Business Consulting for Nonprofits 4.0 Credits
Students act as consultants to local and national nonprofits working on real business issues. Student teams, with the support of advisors and faculty, will focus their energy on helping clients achieve new insights to business challenges through data driven decisions. Projects integrate various business disciplines; students will define conceptual and theoretical issues, conduct research, and analyze data central to these organizations. Students will present plans and recommendations to help resolve clients' business challenges. In addition to the project, students will also learn about some of the unique aspects of the governance of non-profit organizations. Clients and projects vary each term. Client team meetings may occur during business hours. Can be used as a business elective requirement.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Can enroll if classification is Junior or Senior.

MGMT 372 Startup Consulting 4.0 Credits
This course provides students with real-world consulting experiences with entrepreneurs. It is designed so that student teams work with start-up companies or with start-up projects inside established companies; topics include but are not limited to market research, feasibility assessment, business model testing, business plan development and new product launch. Students work with companies in order to gain experience with entrepreneurs and consulting, in addition to learning about the opportunities and challenges that entrepreneurs face every day in their businesses.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: MGMT 260 [Min Grade: D]

MGMT 450 Strategy and Competitive Advantage 4.0 Credits
Provides an integrated approach to business planning. Develops strategic analysis and decision-making through examination of an organization's internal and external environment. Requires written and oral case reports.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Can enroll if classification is Senior.
Prerequisites: FIN 301 [Min Grade: D] and ORGB 300 [Min Grade: D] and MKTG 301 [Min Grade: D]

MGMT 451 Management Simulation 4.0 Credits
Requires student teams responsible for the operation of competing firms in a computer-simulated dynamic business environment to conduct top management strategic planning, analysis, and social responsibility.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Can enroll if classification is Senior.
Prerequisites: FIN 301 [Min Grade: D] and ORGB 300 [Min Grade: D] and MKTG 301 [Min Grade: D]

MGMT 498 Special Topics in Management 4.0 Credits
This course covers various topics of particular interest to management students.
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit
Restrictions: Can enroll if classification is Junior or Senior.

MGMT 499 Independent Study 4.0 Credits
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit
Restrictions: Can enroll if classification is Junior or Senior.

Certificate in Entrepreneurship

Certificate Level: Undergraduate
Admission Requirements: Current Drexel students only
Certificate Type: Certificate
Number of Credits to Completion: 16.0
Instructional Delivery: Campus
Calendar Type: Quarter
Expected Time to Completion: 3 years

An entrepreneurial mindset, both in the context of starting new ventures and in established companies, is a valuable skill. The ability to approach situations in an innovative way, to be creative, to critically evaluate new opportunities and to execute those opportunities is the essence of entrepreneurship. In the 21st century, innovation and entrepreneurship are competitive elements across all sectors of the economy.

The LeBow College of Business offers a certificate in entrepreneurship to enable students outside of the business school to benefit from learning about the skills involved in being entrepreneurial. This program provides Drexel students from all areas (engineering, biomedical, information technology, design, etc.) with a unique advantage when seeking employment. Students who hold a Certificate in Entrepreneurship will certainly benefit in their job search and career by possessing the vital business skills encompassed in the courses in this certificate.

Upon completion of the certificate program, students will be able to:

- Understand the nature of entrepreneurship and its applications to all realms of business and to all types of organizations
- Apply the business planning process to new ventures and to corporate projects
- Utilize accounting tools and methods in creating new ventures
- Apply innovative and creative approaches to business issues and environmental trends.

Required Courses

ACCT 120	Accounting Essentials for New Ventures	4.0
MGMT 260	Introduction to Entrepreneurship	4.0
MGMT 365	Business Plan for Entrepreneurs	4.0
MGMT 366	Entrepreneurship Certificate Project	1.0
Additional Requirement		
In addition, students select one additional related course from outside the LeBow College of Business. This course should incorporate as part of its content some business aspect of the student's area of study.		3.0
Total Credits		**16.0**

Finance

Bachelor of Science in Business Administration (BSBA): 180.0 quarter credits

About the Program

Students with a major in finance obtain a thorough understanding of the basic concepts, principles, operating procedures, and analytical techniques in the various areas of finance.

Throughout the finance curriculum, students develop and apply quantitative skills for financial decision making within the business environment.

This major prepares students for careers in private business firms, including positions involving forecasting and budgeting for financial resources, cost-effectiveness analysis, control of expenditures, evaluation and financing of new projects, and evaluation of alternative methods of financing; in the investment field, including positions in banks, brokerage houses, and financial institutions that participate in the various money and capital markets; and in the public sector, including positions at the federal, state, and local government levels.

For more information about the program, contact the Department of Finance (http://www.lebow.drexel.edu/academics/disciplines/finance) .

Major Requirements

All core mathematics and statistics courses should be completed before embarking on the upper-level finance major courses. A second course in business statistics, STAT 202, must be completed as a prerequisite for the major's required courses.

Because of the relevance of financial accounting to the field of finance, it is strongly recommended that finance students also complete ACCT 321 and ACCT 322 (Financial Accounting I and II) as two of their free electives.

Bachelor of Science in Business Administration (BSBA) Degree Requirements

General Education Requirements

ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
COM 270 [WI]	Business Communication	3.0
MATH 101	Introduction to Analysis I	4.0
MATH 102	Introduction to Analysis II	4.0
PHIL 105	Critical Reasoning	3.0
PSY 101	General Psychology I	3.0
UNIV B101 [WI]	The Drexel Experience	1.0
UNIV B201	Career Management	1.0
English literature elective ENGL 200 through ENGL 399		3.0
Fine Arts elective		3.0
History (HIST) elective		3.0
Select two of the following:		6.0
BIO 100	Applied Cells, Genetics & Physiology	
or BIO 101	Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	

General Education Electives

Students select seven (21.0 credits) general education electives, with a minimum of one course in each of the following three categories. Students take the remaining 12.0 credits from any of the topics listed under Additional General Education Electives.

Society and Culture		
Communication, English, Fine Arts, International Area Studies, Language or Philosophy		3.0
Social Science		
Anthropology, History, Sociology, Political Science, Psychology		3.0
Science		
Computer Science, Information Systems, Science		3.0

Additional General Education Electives

Twelve (12) credits must be earned by taking 4 courses from the following topics: Communication, English, Fine Arts, International Area Studies, Language, Philosophy, Anthropology, History, Sociology, Political Science, Psychology, Computer Science, Information Systems, Math, Science	12.0

Business Requirements

ACCT 115	Financial Accounting Foundations	4.0
ACCT 116	Managerial Accounting Foundations	4.0
BUSN 101	Foundations of Business I (Online students take BUSN 111)	4.0
BUSN 102	Foundations of Business II (Online students take BUSN 112)	4.0
BLAW 201	Business Law I	4.0
ECON 201	Principles of Microeconomics	4.0
ECON 202	Principles of Macroeconomics	4.0
FIN 301	Introduction to Finance	4.0
INTB 200	International Business	4.0
MGMT 450	Strategy and Competitive Advantage	4.0
MIS 200	Management Information Systems	4.0
MKTG 301	Introduction to Marketing Management	4.0
OPM 200	Operations Management	4.0
ORGB 300 [WI]	Organizational Behavior	4.0
STAT 201	Introduction to Business Statistics	4.0
Select one of the following:		4.0
BUSN 451	Business Consulting	
MGMT 260	Introduction to Entrepreneurship	
MGMT 451	Management Simulation	
STAT 202	Business Statistics II	

Major Requirements

Eight required courses (See Major Requirements list below)	32.0
Free Electives	20.0
Total Credits	**180.0**

Required Finance Major Courses

FIN 302	Intermediate Corporate Finance	4.0
FIN 321	Investment Securities & Markets	4.0
FIN 325	Financial Institutions and Markets	4.0
Select five of the following:		20.0
FIN 323	Risk Management	
FIN 330	Derivative Securities	
FIN 332	Investment Analysis	
FIN 335	Entrepreneurial Finance	
FIN 338	Money and Capital Markets	
FIN 340	Seminar in Finance	
FIN 341	Applied Portfolio Management	
FIN 342	Advanced Portfolio Management	
FIN 346	Global Financial Management	
Total Credits		**32.0**

Sample Plan of Study

Term 1		Credits
BUSN 101	Foundations of Business I	4.0
ECON 201	Principles of Microeconomics	4.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
MATH 101	Introduction to Analysis I	4.0
UNIV B101 [WI]	The Drexel Experience	1.0
	Term Credits	**16.0**

Term 2

BUSN 102	Foundations of Business II	4.0
ECON 202	Principles of Macroeconomics	4.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
MATH 102	Introduction to Analysis II	4.0
	Term Credits	**15.0**
Term 3		
ACCT 115	Financial Accounting Foundations	4.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
PSY 101	General Psychology I	3.0
Society and culture course[*]		3.0
General Education elective[*]		3.0
	Term Credits	**16.0**
Term 4		
ACCT 116	Managerial Accounting Foundations	4.0
STAT 201	Introduction to Business Statistics	4.0
History (HIST) elective		3.0
Select one of the following:		3.0
BIO 100 or 101	Applied Cells, Genetics & Physiology Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	
	Term Credits	**14.0**
Term 5		
BLAW 201	Business Law I	4.0
COM 270 [WI]	Business Communication	3.0
STAT 202	Business Statistics II	4.0
Select one of the following:		3.0
BIO 100 or 101	Applied Cells, Genetics & Physiology Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	
	Term Credits	**14.0**
Term 6		
FIN 301	Introduction to Finance	4.0
MKTG 301	Introduction to Marketing Management	4.0
ORGB 300 [WI]	Organizational Behavior	4.0
Social Science Elective		3.0
	Term Credits	**15.0**
Term 7		
FIN 302	Intermediate Corporate Finance	4.0
MIS 200	Management Information Systems	4.0
OPM 200	Operations Management	4.0
Science Elective[*]		3.0
	Term Credits	**15.0**
Term 8		
FIN 321	Investment Securities & Markets	4.0
PHIL 105	Critical Reasoning	3.0

Free Electives		8.0
	Term Credits	**15.0**
Term 9		
FIN 325	Financial Institutions and Markets	4.0
INTB 200	International Business	4.0
Free Elective		4.0
General Education Elective[*]		3.0
	Term Credits	**15.0**
Term 10		
FIN Major Course (see major requirements for list)		4.0
FIN Major Course (see major requirements for list)		4.0
Free Electives		4.0
General Education Elective[*]		3.0
	Term Credits	**15.0**
Term 11		
FIN Major Course (see major requirements for list)		4.0
FIN Major Course (see major requirements for list)		4.0
UNIV B201	Career Management	1.0
ENGL 200 Through ENGL 399		3.0
Fine Arts Elective		3.0
	Term Credits	**15.0**
Term 12		
MGMT 450	Strategy and Competitive Advantage	4.0
FIN Major Course (see major requirements for list)		4.0
Free Elective		4.0
General Education Elective[*]		3.0
	Term Credits	**15.0**

Total Credit: 180.0

[*]   See degree requirements.

Co-op/Career Opportunities

The finance program at Drexel prepares students for careers in corporate financial management, the investment field, and the public sector. It also provides excellent basic preparation for various types of professional certification, including chartered financial analyst (CFA) and certified financial planner (CFP). In money and capital markets, finance students often find careers in banking, securities analysis, and portfolio management. In government, many choose to work for regulatory agencies.

Typical positions include financial analyst, capital budgeting officer, credit analyst, merger and acquisition manager, bank trust officer, portfolio analyst, and securities broker.

Visit the Drexel Steinbright Career Development Center (http://www.drexel.edu/scdc) for more detailed information on co-op and post-graduate opportunities.

Minor in Finance
Requirements

- No more than 2 courses or 8.0 credits required by a student's major may be counted towards this minor.

- A grade of "C" (2.0) or better must be earned for each course in this minor for it to be counted.
- No more than two transfer courses may be used to complete this minor. Transfer credits must be taken before matriculated at Drexel.
- Students should check the pre-requisites of all classes when selecting electives. It is the responsibility of the student to know pre-requisites.
- Business administration and business & engineering students may complete any of the business minors, including: accounting, business, economics, entrepreneurship, finance, international economics, legal studies, management information systems, marketing, and operations & supply chain management.
- Cannot do a major and a minor in the same field of study.

All prospective students should meet with an advisor from the College as soon as possible. Call 215.895.2110 to set up an appointment.

Required Courses

ACCT 115	Financial Accounting Foundations	4.0
ACCT 116	Managerial Accounting Foundations	4.0
FIN 301	Introduction to Finance	4.0
FIN 302	Intermediate Corporate Finance	4.0
FIN 321	Investment Securities & Markets	4.0
FIN 325	Financial Institutions and Markets	4.0
Total Credits		**24.0**

Finance Faculty

David A. Becher, PhD *(Pennsylvania State University) Department of Finance.* Associate Professor. Mergers and acquisitions, corporate governance, financial institutions.

Erik Benrud, PhD, FRM, CAIA, CFA *(University of Virginia) Department of Finance.* Clinical Professor. Economics/managerial economics: game theory; finance: alternative investments, derivatives.

Jie Cai, PhD *(University of Iowa) Department of Finance.* Assistant Professor. Investment banking, mergers and acquisitions, corporate finance and corporate governance.

Thomas Chi-Nan Chiang, PhD *(The Pennsylvania State University) Marshall M. Austin Professor of Finance.* Professor. International finance; time series analysis of financial data; econometric modeling & forecasting; financial markets; international risk management; monetary theory; macroeconomics; emerging markets; and global country funds.

Naveen Daniel, PhD *(Arizona State University).* Assistant Professor. Corporate governance, mutual funds, hedge funds.

Daniel Dorn, PhD *(Columbia University) Department of Finance.* Associate Professor. Capital markets and investments; behavioral finance.

Casey Dougal, PhD *(University of North Carolina, Chapel Hill).* Assistant Professor. Empirical asset pricing, financial media, behavioral finance, and urban economics.

Eliezer M. Fich, PhD *(New York University) Department of Finance.* Associate Professor. Empirical topics in corporate finance.

Michael Joseph Gombola, PhD *(University of South Carolina) Head of the Department of Finance.* Professor. Stock offerings and repurchases, mergers, acquisitions, and restructuring; working capital management, time series analysis; options and derivatives, financial statement analysis.

Amy Laura Kratchman, MBA *(Drexel University) Department of Finance.* Clinical Associate Professor. Portfolio management, specifically related to fixed income securities; investment management for pension and mutual fund companies, and fixed income securities.

Edward Nelling, PhD, CFA *(University of Pennsylvania-Wharton) Department of Finance.* Associate Professor. Investments; corporate finance; real estate finance.

Gregory Nini, PhD *(The Wharton School, University of Pennsylvania).* Assistant Professor. Creditor control rights, corporate governance, and firm value; insurance economics.

Patricia Robak, PhD *(Lehigh University) Department of Finance.* Clinical Associate Professor. Investments, money and banking, international finance.

Diana Sandberg, MS *(Drexel University) Department of Finance.* Clinical Associate Professor. Portfolio management, derivatives, investment management.

Samuel H. Szewczyk, PhD *(Pennsylvania State University) Department of Finance.* Associate Professor. Corporate governance, mergers and acquisitions, financial engineering, investment banking, financial institutions.

George Tsetsekos, PhD *(The University of Tennessee) Dean, LeBow College of Business.* Professor. Valuation and corporate restructuring, treasury and risk/hedging operations, investment banking, securitization, emerging capital markets, multinational finance, bank asset-liability management.

Ralph Walkling, PhD *(University of Maryland) Stratakis Professor of Corporate Governance, Department of Finance.* Professor. Corporate governance, mergers and acquisitions.

Courses

FIN 301 Introduction to Finance 4.0 Credits
Covers financial structure of a corporation, short-and long-term financial policies, sources and uses of capital funds, asset valuation, capital budgeting, and corporate growth.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman or Sophomore
Prerequisites: (ACCT 115 [Min Grade: D] or HRM 310 [Min Grade: D]) and (STAT 201 [Min Grade: D] or STAT 205 [Min Grade: D] or STAT 261 [Min Grade: D])

FIN 302 Intermediate Corporate Finance 4.0 Credits
Provides an in-depth treatment of long-term financing decisions, including estimation of the cost of capital, financial leverage, dividend policy, and working capital analysis.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: FIN 301 [Min Grade: C] and (STAT 202 [Min Grade: C] or STAT 206 [Min Grade: C])

FIN 321 Investment Securities & Markets 4.0 Credits
Covers stocks, bonds, other investment vehicles, and operation and regulation of the stock market.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman or Sophomore
Prerequisites: FIN 301 [Min Grade: C] and (STAT 202 [Min Grade: C] or STAT 206 [Min Grade: C])

FIN 323 Risk Management 4.0 Credits
Provides a fundamental understanding of risk and return, modern portfolio theory, asset pricing models, performance evaluation, and the use of derivatives to hedge and manage risk.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman or Sophomore
Prerequisites: FIN 321 [Min Grade: C] and (STAT 202 [Min Grade: C] or STAT 206 [Min Grade: C])

FIN 325 Financial Institutions and Markets 4.0 Credits
Covers understanding of the financial system from the money-creation process to the functioning of the Federal Reserve System to the role and management of financial institutions.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman or Sophomore
Prerequisites: FIN 301 [Min Grade: C] and (STAT 202 [Min Grade: C] or STAT 206 [Min Grade: C])

FIN 330 Derivative Securities 4.0 Credits
The analysis and pricing of derivative securities including futures and options: applications to risk management and portfolio management.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: FIN 323 [Min Grade: C]

FIN 332 Investment Analysis 4.0 Credits
Introduces investment analysis, with particular emphasis on financial statement analysis.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman or Sophomore
Prerequisites: FIN 321 [Min Grade: C]

FIN 335 Entrepreneurial Finance 4.0 Credits
The purpose of the course is to bring financial management decision, tools and techniques typically applied in corporate contexts into the realm of entrepreneurship. This course presents the importance of understanding and applying entrepreneurial finance methods and tools to help ensure a successful venture.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: FIN 301 [Min Grade: C]

FIN 338 Money and Capital Markets 4.0 Credits
Covers the organization and operation of the money and capital markets and key institutional financial intermediaries.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: FIN 325 [Min Grade: C]

FIN 340 Seminar in Finance 4.0 Credits
Covers current topics and selected cases in finance.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: FIN 302 [Min Grade: D] and FIN 321 [Min Grade: D] and FIN 325 [Min Grade: D]

FIN 341 Applied Portfolio Management 4.0 Credits
This course covers topics related to portfolio management. Students will learn how to analyze industries, select securities for inclusion in investment portfolios, and analyze portfolio performance. Students will participate in the management of a real investment portfolio for the duration of the course.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: FIN 321 [Min Grade: C]

FIN 342 Advanced Portfolio Management 4.0 Credits
This course covers advanced topics related to portfolio management. Students will learn how to analyze industries and the investment potential of individual securities in depth. They will also learn advanced methods for analyzing portfolio performance and investment strategy. Students will participate in the management of a real investment portfolio for the duration of the course.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: FIN 341 [Min Grade: C]

FIN 346 Global Financial Management 4.0 Credits
Examines the investment and financing strategies of multinational corporations. Covers topics including capital acquisition in the international environment, international investment borrowing, international corporate restructuring, currency swaps and recapitalizations, hedging techniques, and international risk-management instruments.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman or Sophomore
Prerequisites: FIN 301 [Min Grade: C]

FIN 350 Personal Finance 4.0 Credits
Covers key personal financial documents, taxes, credit, insurance, and investments.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

FIN 498 Special Topics in Finance 12.0 Credits
This course covers techniques of investment analysis for different types of business firms. It includes financial risk analysis, stock valuation measures, and other topics of particular interest to finance students.
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit
Restrictions: Can enroll if classification is Senior.
Prerequisites: FIN 301 [Min Grade: C]

FIN 499 Independent Study 0.5-5.0 Credits
Independent Study.
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit

General Business

Bachelor of Science in Business Administration (BSBA): 180.0 quarter credits

About the Program

The major in general business is designed for students who do not want to specialize in any one area but want a more extensive exposure to all the various areas of business.

Students selecting the major in general business should choose eight courses from at least five of the following fields: accounting (ACCT), economics (ECON), finance (FIN), human resource management (HRMT), international business (INTB), legal studies (BLAW), management (MGMT), marketing (MKTG), management information systems (MIS), business statistics (STAT), organizational behavior (ORGB), operations research (OPR) and operations management (OPM).

Degree Requirements

Bachelor of Science in Business Administration (BSBA) Degree Requirements

General Education Requirements

ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
COM 270 [WI]	Business Communication	3.0
MATH 101	Introduction to Analysis I	4.0
MATH 102	Introduction to Analysis II	4.0
PHIL 105	Critical Reasoning	3.0
PSY 101	General Psychology I	3.0
UNIV B101 [WI]	The Drexel Experience	1.0
UNIV B201	Career Management	1.0
English literature elective ENGL 200 through ENGL 399		3.0
Fine Arts elective		3.0
History (HIST) elective		3.0
Select two of the following:		6.0
BIO 100	Applied Cells, Genetics & Physiology	
or BIO 101	Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	

General Education Electives

Students select seven (21.0 credits) general education electives, with a minimum of one course in each of the following three categories. Students take the remaining 12.0 credits from any of the topics listed under Additional General Education Electives.

Society and Culture	
Communication, English, Fine Arts, International Area Studies, Language or Philosophy	3.0
Social Science	
Anthropology, History, Sociology, Political Science, Psychology	3.0
Science	
Computer Science, Information Systems, Science	3.0

Additional General Education Electives

Twelve (12) credits must be earned by taking 4 courses from the following topics: Communication, English, Fine Arts, International Area Studies, Language, Philosophy, Anthropology, History, Sociology, Political Science, Psychology, Computer Science, Information Systems, Math, Science	12.0

Business Requirements

ACCT 115	Financial Accounting Foundations	4.0
ACCT 116	Managerial Accounting Foundations	4.0
BUSN 101	Foundations of Business I (Online students take BUSN 111)	4.0
BUSN 102	Foundations of Business II (Online students take BUSN 112)	4.0
BLAW 201	Business Law I	4.0
ECON 201	Principles of Microeconomics	4.0
ECON 202	Principles of Macroeconomics	4.0
FIN 301	Introduction to Finance	4.0
INTB 200	International Business	4.0
MGMT 450	Strategy and Competitive Advantage	4.0
MIS 200	Management Information Systems	4.0
MKTG 301	Introduction to Marketing Management	4.0
OPM 200	Operations Management	4.0
ORGB 300 [WI]	Organizational Behavior	4.0
STAT 201	Introduction to Business Statistics	4.0
Select one of the following:		4.0
BUSN 451	Business Consulting	
MGMT 260	Introduction to Entrepreneurship	
MGMT 451	Management Simulation	
STAT 202	Business Statistics II	

Major Requirements

Eight required courses (See Major Requirements list below)	32.0
Free Electives	20.0
Total Credits	**180.0**

General Business Major

Business Administration: Plan of Study

Term 1		Credits
BUSN 101	Foundations of Business I	4.0
ECON 201	Principles of Microeconomics	4.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
MATH 101	Introduction to Analysis I	4.0
UNIV B101 [WI]	The Drexel Experience	1.0
	Term Credits	**16.0**
Term 2		
BUSN 102	Foundations of Business II	4.0
ECON 202	Principles of Macroeconomics	4.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
MATH 102	Introduction to Analysis II	4.0
	Term Credits	**15.0**
Term 3		
ACCT 115	Financial Accounting Foundations	4.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
PSY 101	General Psychology I	3.0
General education elective		3.0
Select one of the following:		3.0
BIO 100 or 101	Applied Cells, Genetics & Physiology Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	
	Term Credits	**16.0**
Term 4		
ACCT 116	Managerial Accounting Foundations	4.0
BLAW 201	Business Law I	4.0
COM 270 [WI]	Business Communication	3.0
STAT 201	Introduction to Business Statistics	4.0
	Term Credits	**15.0**
Term 5		
INTB 200	International Business	4.0
MIS 200	Management Information Systems	4.0
Select one of the following:		4.0
BUSN 451	Business Consulting	
MGMT 260	Introduction to Entrepreneurship	
MGMT 451	Management Simulation	
STAT 202	Business Statistics II	
Select one of the following:		3.0
BIO 100 or 101	Applied Cells, Genetics & Physiology Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	
	Term Credits	**15.0**

Term 6		
FIN 301	Introduction to Finance	4.0
MKTG 301	Introduction to Marketing Management	4.0
OPM 200	Operations Management	4.0
English Literature elective (ENGL 200 - 399)		3.0
	Term Credits	**15.0**
Term 7		
Major Elective 1		4.0
Major Elective 2		4.0
PHIL 105	Critical Reasoning	3.0
ORGB 300 [WI]	Organizational Behavior	4.0
	Term Credits	**15.0**
Term 8		
Major Elective 3		4.0
Major Elective 4		4.0
Fine Arts Elective		3.0
History (HIST) Elective		3.0
Science Elective		3.0
	Term Credits	**17.0**
Term 9		
Major Elective 6		4.0
Social Science Elective		3.0
Society and Culture Elective		3.0
Major Elective 5		4.0
	Term Credits	**14.0**
Term 10		
Major Elective 7		4.0
Free Electives		7.0
UNIV B101 [WI]	The Drexel Experience	1.0
General Education elective		3.0
	Term Credits	**15.0**
Term 11		
Major Elective 8		4.0
General Education		3.0
MGMT 450	Strategy and Competitive Advantage	4.0
Free Elective		3.0
	Term Credits	**14.0**
Term 12		
General Education		3.0
Free Electives		10.0
	Term Credits	**13.0**

Total Credit: 180.0

Interdepartmental Faculty

Marco Airaudo, PhD *(University of Pennsylvania Philadelphia)*. Assistant Professor. Computational economics, international economics, macroeconomics and monetary economics.

Murugan Anandarajan, PhD *(Drexel University) Head of Department, Management.* Professor. Individual Internet usage behavior (specifically

abuse and addiction); Application of artificial intelligence techniques in forensic accounting and ophthalmology.

Rolph E. Anderson, PhD *(University of Florida) Royal H. Gibson Sr. Professor of Marketing.* Professor. Personal selling and sales management; multivariate data analysis; customer relationship management (CRM); customer satisfaction and customer loyalty.

Trina Larsen Andras, PhD *(University of Texas at Austin) Head of the Department of Marketing; Academic Director, Center for Corporate Research Management.* Professor. International marketing, marketing channels management, cross-cultural communication.

Orakwue B. Arinze, PhD *(London School of Economics).* Professor. Client/Server computing; Enterprise Application Software (EAS)/ Enterprise Resource Planning Software (ERP); knowledge-based and decision support applications in operations management.

Edward Arnheiter, PhD *(University of Massachusetts, Amherst) Department of Decision Sciences.* Clinical Professor. Quality implementation and management, supply chain, statistical quality control, six sigma.

Avijit Banerjee, PhD *(The Ohio State University) Department of Decision Sciences.* Professor. Supply chain management; operations planning and scheduling; inventory control.

David A. Becher, PhD *(Pennsylvania State University) Department of Finance.* Associate Professor. Mergers and acquisitions, corporate governance, financial institutions.

Hande Yurttan Benson, PhD *(Princeton University) Department of Decision Sciences.* Associate Professor. Nonlinear optimization, interior-point methods.

Jie Cai, PhD *(University of Iowa) Department of Finance.* Assistant Professor. Investment banking, mergers and acquisitions, corporate finance and corporate governance.

Oben Ceryan, PhD *(University of Michigan Ann Arbor) Department of Decision Sciences.* Assistant Professor. Pricing revenue management; inventory control; production planning and control supply chain management.

Hsihui Chang, PhD *(University of Minnesota) KPMG Professor of Accounting.* Professor.

Hiu Lam Choy, PhD *(University of Rochester).* Associate Professor. Financial accounting.

Roger D. Collons, JD, PhD *(George Washington University; Georgia State University) Department of Legal Studies.* Professor. Patent law, preservation of wealth.

Anthony P. Curatola, PhD *(Texas A&M University) Joseph F. Ford Professor of Accounting.* Professor. Federal and state income tax policy, retirement income taxation, fringe benefits taxation, educational savings and tax incentives, federal and state income tax research.

Mian Dai, PhD *(Northwestern University).* Assistant Professor. Managerial economics and strategy.

Qizhi Dai, PhD *(University of Minnesota).* Associate Professor. Business to Business E-Commerce; information technology adoption; economic analysis of information systems.

Xin Dai, PhD *(University of Minnesota).* Assistant Professor. Empirical capital markets research, including insider trading, accounting regulation, and disclosure.

Naveen Daniel, PhD *(Arizona State University).* Assistant Professor. Corporate governance, mutual funds, hedge funds.

Patricia L. Daniel Derrick, PhD *(The George Washington University).* Associate Clinical Professor.

Donna Marie De Carolis, PhD *(Temple University) Dean, Close School of Entrepreneurship.* Professor. Pharmaceutical/biotechnology industries; entrepreneurship; technology & strategy; technology commercialization, strategic alliances; social capital.

Neil Desnoyers, MS *(Drexel University) Department of Decision Sciences.* Assistant Clinical Professor. Decision sciences.

Daniel Dorn, PhD *(Columbia University) Department of Finance.* Associate Professor. Capital markets and investments; behavioral finance.

Casey Dougal, PhD *(University of North Carolina, Chapel Hill).* Assistant Professor. Empirical asset pricing, financial media, behavioral finance, and urban economics.

Michaela Draganska, PhD *(Kellog School of Management, Northwestern University).* Associate Professor. Advertising strategy, product assortment decisions, new product positioning, distribution channels.

Anne Duchene, PhD *(Ecole Nationale des Ponts et Chaussees, France) Department of Economics and International Business.* Assistant Professor. Microeconomics, industrial organization, law and economics.

Lawrence Duke, MBA *(Harvard Business School).* Associate Clinical Professor. International marketing and strategy, new product development, business-to-business marketing, marketing of financial services.

Eliezer M. Fich, PhD *(New York University) Department of Finance.* Associate Professor. Empirical topics in corporate finance.

Richard P. Freedman, JD, LLM *(Temple University) Head of the Department of Legal Studies.* Associate Professor. Taxation, corporate and business matters, real estate, estate planning, estate administration and elder law.

David Gefen, PhD *(Georgia State University).* Professor. Strategic IT management; IT development and implementation management; research methodology; managing the adoption of large IT systems, such as MRP II, ERP, and expert systems; research methodology.

Azi Gera, PhD *(University of Maryland).* Assistant Professor. Business planning, new venture performance and survival, social networking, cognition and strategy, determinants of firm performance, attention based view, business angles and VC firms, interfirm signaling, private equity investments.

Hubert Glover, PhD *(Texas A&M University) Department Head.* Associate Clinical Professor. International financial reporting.

Michael Joseph Gombola, PhD *(University of South Carolina) Head of the Department of Finance.* Professor. Stock offerings and repurchases, mergers, acquisitions, and restructuring; working capital management, time series analysis; options and derivatives, financial statement analysis.

Cuneyt Gozu, PhD *(University of Albany).* Associate Clinical Professor.

Jeffrey H. Greenhaus, PhD *(New York University) William A. Mackie Professor of Management.* Professor. Career management, career decision making, work-family linkages, managing diversity,career and adult life development, organizational behavior/human resources, job design, models of work motivation and job attitudes, human resource staffing.

Barbara Murray Grein, PhD *(University of North Carolina).* Associate Professor. Auditing, auditor selection, audit adjustments, audit fees, corporate governance, financial reporting.

Curtis M. Hall, MBA *(University of Arizona).* Assistant Professor. Strategic cost management; corporate governance; capital markets research in accounting; human capital investment.

Shawkat M. Hammoudeh, PhD *(University of Kansas) Department of Economics and International Business.* Professor. Applied econometrics, financial economics, international economics, natural resource economics.

Teresa D. Harrison, PhD *(University of Texas at Austin) Department of Economics and International Business.* Associate Professor. Econometrics, public finance, industrial organization, empirical microeconomics including health and nonprofit organizations.

Yanliu Huang, PhD *(The Wharton School, University of Pennsylvania).* Assistant Professor. Consumer n-store decision making, consumer planning, health marketing, memory and learning.

Mazhar Islam, PhD *(University of Minnesota).* Assistant Professor. New markets in emerging countries, alliances, corporate entrepreneurship, emerging countries, pharmaceutical and biotechnology industry, technological innovation, transaction cost economics.

Paul E. Jensen, PhD *(Penn State University) Associate Dean, College of Business.* Associate Professor. International trade. Primary research interest is international trade, particularly in empirical studies of international trade patterns.

Bang Nam Jeon, PhD *(Indiana University) Department of Economics and International Business.* Professor. Financial economics, world financial market linkages, foreign direct investment flows in the Asia-Pacific economies, the Korean economy: currency crisis, FDI, and macroeconomic issues, regional economic integration and newly industrializing economies: the

Kevin K. Jones, EDB *(Georgia State University).* Assistant Clinical Professor.

Stephen Joyce, MA *(Temple University) Department of Economics and International Business.* Assistant Clinical Professor. Education and human capital.

Robert W. Keidel, PhD *(Wharton School, University of Pennsylvania).* Clinical Professor. Organization design and change, management of technology, strategic cognition.

Natalya V. Khimich, PhD *(University of Califormia at Berkeley).* Assistant Professor. Equity valuation, earnings quality, and accounting for innovation and intangible assets.

Seung-Lae Kim, PhD *(Penn State University) Department of Decision Sciences.* Professor. Production planning and control; inventory control; Just-In-Time (JIT) and Supply Chain Management (SCM).

Stacy Kline, MPA, CPA *(Temple University).* Clinical Professor. Individual, corporation; S corporation and partnership taxation.

Daniel Korshun, PhD *(Boston University).* Associate Professor. Brand and corporate reputation management, corporate social responsibility, internal marketing, marketing strategy, relationship marketing.

Edward C. Koziara, PhD *(University of Wisconsin) Department of Economics and International Business.* Professor Emeritus. Applied micro and macro economics.

Amy Laura Kratchman, MBA *(Drexel University) Department of Finance.* Clinical Associate Professor. Portfolio management, specifically related to fixed income securities; investment management for pension and mutual fund companies, and fixed income securities.

Rosalie S. Kreider, JD *(Villanova University) Department of Legal Studies.* Clinical Professor. Business law, international business law.

Hyokjin Kwak, PhD *(University of Georgia) Department of Marketing.* Associate Professor. Advertising effects, consumer behaviors and e-commerce.

Robert E. Laessig, PhD *(Cornell University) Department of Decision Sciences.* Professor Emeritus. Management systems integration.

Christopher A. Laincz, PhD *(Duke University) Department of Economics and International Business.* Associate Professor. Economic development, technological change, and growth, industrial organization, macroeconomics and monetary economics.

Johnny Lee, PhD *(University of Utah).* Associate Clinical Professor. Accounting information systems; Managerial accounting; Supply chain management; e-business.

Bijou Yang Lester, PhD *(University of Pennsylvania) Department of Economics and International Business.* Professor Emeritus. Behavioral characteristics of shopping on-line, economic issues of electronic commerce, contingent employment and part-time work, the economy and suicide.

Benjamin Lev, PhD *(Case Western Reserve University) Department Head, Department of Decision Sciences.* Professor. Operations research/ management science, statistics, applications, engineering management.

Merrill W. Liechty, PhD *(Duke University).* Associate Clinical Professor. Bayesian statistics, portfolio selection, higher moment estimation.

Keisha Liggett-Nichols, EDB *(Georgia State University).* Associate Clinical Professor. Corporate entrepreneurship, determinants of firm performance, evidence-based management.

Frank Linnehan, PhD *(Temple University) Interim Dean, LeBow College of Business.* Professor. Affirmative action; workforce diversity; equal employment; school-to-work transitions for younger workers. Research focuses on issues of race and diversity in the workplace.

Yu-Chieh Lo, PhD *(University of Southern California).* Assistant Professor. Organization theory, technology entrepreneurship.

Mark Loschiavo, MS *(University of Kentucky).* Clinical Professor. Business planning; new venture performance and survival; strategic management; strategic thinking; technology entrepreneurship.

Dali Ma, PhD *(University of Chicago).* Assistant Professor. Status dynamics, social networks, founding team formation; venture capital syndication; family business; Chinese private entrepreneurship.

Vibhas Madan, PhD *(Michigan State University) Head of the Department of Economics and International Business.* Professor. International trade theory, applied microeconomics.

Arunkumar Madapusi, PhD *(University of North Texas Denton) Department of Decision Sciences.* Assistant Clinical Professor. Manufacturing technology development; quality management; supply chain management; interface with information systems.

Hazem Diab Maragah, PhD *(Louisiana University) Department of Decision Sciences.* Associate Professor. Statistical quality control, total equity management, applied statistics.

Michele K. Masterfano, DBA *(Argosy University of Sarasolta).* Associate Clinical Professor. Entrepreneurship/small business administration, business planning, social capital, social networking.

Mary Mawritz, PhD *(University of Central Florida).* Assistant Professor. Abusive supervision; deviant behavior; leadership.

Roger A. McCain, PhD *(Louisiana State University) Department of Economics and International Business.* Professor. Computational economics, game theory.

Bruce D. McCullough, PhD *(University of Texas).* Professor. Applied econometrics; reliability of statistical and econometric software; business data mining.

Thomas P. McWilliams, PhD *(Stanford University) Department of Decision Sciences.* Professor. Statistical quality control; sequential analysis.

Irina Murtazashvili, PhD *(Michigan state University).* Assistant Professor. Applied econometrics.

Suchet Nadkarni, PhD *(University of Kansas).* Associate Professor. Strategic management, cognition and strategy.

V. K. Narayanan, PhD *(University of Pittsburgh) Delloitte Touche Jones Stubbs Professor; Associate Dean of Research, Department of Management.* Corporate and business strategy; management of technology and innovation; strategy implementation; macro environmental analysis; knowledge management; competitor analysis and intelligence.

Gordon Ndubizu, PhD *(Temple University).* Professor. Financial accounting.

Edward Nelling, PhD, CFA *(University of Pennsylvania-Wharton) Department of Finance.* Associate Professor. Investments; corporate finance; real estate finance.

Gregory Nini, PhD *(The Wharton School, University of Pennsylvania).* Assistant Professor. Creditor control rights, corporate governance, and firm value; insurance economics.

Maria Olivero, PhD *(Duke University) Department of Economics and International Business.* Associate Professor. Macroeconomics, international finance.

Eydis Olsen, MA *(American University) Department of Economics and International Business.* Clinical Associate Professor. Macroeconomics, political economy.

Neal Orkin, JD *(Temple University) Department of Legal Studies.* Associate Professor. Intellectual property rights of employed inventors and authors; labor relations.

Duri Park, PhD *(Ohio State University).* Assistant Professor. Financial accounting, insider trading, investments, and cash holdings.

Haemin Park, PhD *(University of Washington).* Assistant Professor. Corporate entrepreneurship; IPO; knowledge-based view of the firm; new venture performance and survival; technology entrepreneurship; venture capital.

Fariborz Y. Partovi, Ph.D. *(The Wharton School, University of Pennsylvania) Department of Decision Sciences.* Professor. The use of analytical hierarchy process and quality function deployment for strategic decisions in manufacturing and service organizations.

Natalie Pedersen, JD *(Harvard University) Department of Legal Studies.* Assistant Professor. American law, contract law, labor and employment law.

Bernhard Reichert, PhD, CPA *(University of Texas at Austin).* Assistant Professor. Behavioral research in accounting and experimental economics.

Christian Resick, PhD *(Wayne State University).* Associate Professor. Linkages between CEO personality with organizational culture, climate, and effectiveness; cross-cultural studies of ethical leadership beliefs and behaviors; roles of team leadership and member personality in building shared cognition and effective teamwo

Stanley Ridgley, PhD *(Duke University).* Assistant Clinical Professor. Business communication; cognition and strategy; competitive intelligence; determinants of firm performance; new markets in emerging countries; Russian business culture.

Patricia Robak, PhD *(Lehigh University) Department of Finance.* Clinical Associate Professor. Investments, money and banking, international finance.

Bert Rosenbloom, PhD *(Temple University) Rauth Chair of Electronic Commerce.* Professor. Marketing channels and distribution systems, electronic commerce, interorganizational marketing management, wholesale and retail distribution, marketing strategy and planning.

Raja Roy, PhD *(University of Pittsburgh).* Assistant Professor. Technology entrepreneurship, determinants of firm performance, technological change, technological innovation.

Diana Sandberg, MS *(Drexel University) Department of Finance.* Clinical Associate Professor. Portfolio management, derivatives, investment management.

Konstantinos Serfes, PhD *(University of Illinois at Champaign-Urbana) Department of Economics and International Business.* Associate Professor. Industrial organization; microeconomics.

Samir Shah, DPS *(Pace University).* Associate Clinical Professor.

Wenjing Shen, PhD *(University of Michigan)*. Assistant Professor. The interface of operations management and marketing; inventory management; supply chain management.

Steven R. Sher, JD *(Georgetown University Law Center) Department of Legal Studies*. Associate Professor. Business law, product liability, negligence, medical malpractice.

Milton Silver, PhD *(Columbia University)*. Professor Emeritus. Strategic planning and control systems, analysis and design of information systems, and executive and management development and training.

Prashant Srivastava, PhD *(Oklahoma State University)*. Associate Clinical Professor. New product development, supply chain management, B2B marketing, sales, strategic alliances, organizational learning, market orientation, healthcare marketing, and database marketing.

Mark Stehr, PhD *(University of California at Berkeley) Department of Economics and International Business*. Associate Professor. Health Economics, public finance, public policy.

Rajneesh Suri, PhD *(University of Illinois at Urbana-Champaign)*. Professor. Pricing, promotions and branding.

Srinivasan Swaminathan, PhD *(University of Texas-Austin)*. Professor. Marketing research and strategy, pricing and promotions, loyalty and satisfaction.

Constantinos Syropoulos, PhD *(Yale University) Trustee Professor of International Economics, Department of Economics and International Business*. Professor. International trade, political economy, applied microeconomics.

Samuel H. Szewczyk, PhD *(Pennsylvania State University) Department of Finance*. Associate Professor. Corporate governance, mergers and acquisitions, financial engineering, investment banking, financial institutions.

An Tran, PhD *(University of Colorado--Boulder)*. Assistant Clinical Professor. Intertemporal choice, the psychology of time and money, consumer planning, financial decision making.

George Tsetsekos, PhD *(The University of Tennessee) Dean, LeBow College of Business*. Professor. Valuation and corporate restructuring, treasury and risk/hedging operations, investment banking, securitization, emerging capital markets, multinational finance, bank asset-liability management.

Daniel Tzabbar, PhD *(University of Toronto)*. Assistant Professor. Business planning, social capital, technology entrepreneurship, alliances, human capital, innovation management, strategic management.

Mark Vargus, PhD *(University of Pennsylvania)*. Assistant Professor. Capital market research and executive compensation.

Andrew G. Verzilli, PhD *(Boston College)*. Professor Emeritus. Teaching effectiveness in economics; economics and financial history.

Ralph Walkling, PhD *(University of Maryland) Stratakis Professor of Corporate Governance, Department of Finance*. Professor. Corporate governance, mergers and acquisitions.

Min Wang, PhD *(Columbia University) Department of Decision Sciences*. Assistant Professor.

Matthew Weinberg, PhD *(Princeton University)*. Assistant Professor. Antitrust and regulation, applied econometrics, industrial organization.

Joan Weiner, PhD *(The Wharton School, University of Pennsylvania)*. Professor. Business ethics, leadership, communication and decision making; educational innovation; health system management design.

Jennifer Wright, CPA, MTA Master of Tax Accounting *(Villanova University) Assistant Department Head*. Associate Clinical Professor.

Chiou-shuang Yan, PhD *(Purdue University)*. Professor Emeritus. International economics, input-output analysis.

Yoto Yotov, PhD *(Boston College)*. Associate Professor. International trade, applied microeconomics, political economy.

Jonathan C. Ziegert, PhD *(University of Maryland)*. Associate Professor. Leadership; team dynamics; group performance; attraction and recruitment; discrimination.

International Business

Bachelor of Science in Business Administration (BSBA): 180.0 quarter credits

About the Program

The international business major explores the international business environment as well as the internal workings of international corporations and the impact of international considerations on the various functional areas of business.

International business focuses on business activities that cross national borders. The plan of study explores the international business environment as well as the internal workings of international corporations and the impact of international considerations on the various functional areas of business.

This major allows students to choose from a menu of courses. The curriculum is interdisciplinary, with courses drawn from across business disciplines and anthropology. Specialized operational courses are offered, along with more general theoretical and comparative ones.

For more information about this program, contact the School of Economics (http://www.lebow.drexel.edu/academics/disciplines/economics) .

Degree Requirements

Students completing the major in international business are required to complete six courses in the same language (a language other than the student's native language) at Drexel University. It is recommended that students also take a 351 language course, focusing on the language of business. This requires a minimum of 6 language courses (24.0 credits) at the college level or up to level 6 (e.g., ITAL 203) placement, including proficiency in at least one language. Some of these courses may count toward the student's general education electives.

Students may satisfy the language requirement through foreign language course replacement by studying overseas. All study abroad programs must be approved by the Study Abroad Office (http://www.drexel.edu/studyabroad) .

Bachelor of Science in Business Administration (BSBA) Degree Requirements

General Education Requirements

ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
COM 270 [WI]	Business Communication	3.0
MATH 101	Introduction to Analysis I	4.0
MATH 102	Introduction to Analysis II	4.0
PHIL 105	Critical Reasoning	3.0
PSY 101	General Psychology I	3.0
UNIV B101 [WI]	The Drexel Experience	1.0
UNIV B201	Career Management	1.0
English literature elective ENGL 200 through ENGL 399		3.0
Fine Arts elective		3.0
History (HIST) elective		3.0
Select two of the following:		6.0
BIO 100	Applied Cells, Genetics & Physiology	
or BIO 101	Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	

General Education Electives

Students select seven (21.0 credits) general education electives, with a minimum of one course in each of the following three categories. Students take the remaining 12.0 credits from any of the topics listed under Additional General Education Electives.

Society and Culture	
Communication, English, Fine Arts, International Area Studies, Language or Philosophy	3.0
Social Science	
Anthropology, History, Sociology, Political Science, Psychology	3.0
Science	
Computer Science, Information Systems, Science	3.0

Additional General Education Electives

Twelve (12) credits must be earned by taking 4 courses from the following topics: Communication, English, Fine Arts, International Area Studies, Language, Philosophy, Anthropology, History, Sociology, Political Science, Psychology, Computer Science, Information Systems, Math, Science	12.0

Business Requirements

ACCT 115	Financial Accounting Foundations	4.0
ACCT 116	Managerial Accounting Foundations	4.0
BUSN 101	Foundations of Business I (Online students take BUSN 111)	4.0
BUSN 102	Foundations of Business II (Online students take BUSN 112)	4.0
BLAW 201	Business Law I	4.0
ECON 201	Principles of Microeconomics	4.0
ECON 202	Principles of Macroeconomics	4.0
FIN 301	Introduction to Finance	4.0
INTB 200	International Business	4.0
MGMT 450	Strategy and Competitive Advantage	4.0
MIS 200	Management Information Systems	4.0

MKTG 301	Introduction to Marketing Management	4.0
OPM 200	Operations Management	4.0
ORGB 300 [WI]	Organizational Behavior	4.0
STAT 201	Introduction to Business Statistics	4.0
Select one of the following:		4.0
BUSN 451	Business Consulting	
MGMT 260	Introduction to Entrepreneurship	
MGMT 451	Management Simulation	
STAT 202	Business Statistics II	

Major Requirements

Eight required courses (See Major Requirements list below)	32.0
Free Electives	20.0
Total Credits	**180.0**

Required International Business Major Courses [*]

INTB 440	Seminar in International Business	4.0
Category A, select a maximum of three of the following		12.0
INTB 334	International Trade	
INTB 336	International Money and Finance	
INTB 338	Regional Studies in Economic Policies and International Business	
ECON 342	Economic Development	
ECON 344	Comparative Economic Systems	
ANTH 312	Approaches to Intercultural Behavior	
Category B, select a minimum of four of the following		16.0
INTB 332	Multinational Corporations	
BLAW 340	International Business Law	
FIN 346	Global Financial Management	
MKTG 357	Global Marketing	
MIS 347	Domestic and Global Outsourcing Management	
Total Credits		**32.0**

[*]   Students majoring in international business must also complete a minimum of 6 language courses (24.0 credits) at the college level.

Recommended Plan of Study

Term 1		Credits
BUSN 101	Foundations of Business I	4.0
ECON 201	Principles of Microeconomics	4.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
MATH 101	Introduction to Analysis I	4.0
UNIV B101 [WI]	The Drexel Experience	1.0
	Term Credits	**16.0**
Term 2		
BUSN 102	Foundations of Business II	4.0
ECON 202	Principles of Macroeconomics	4.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
MATH 102	Introduction to Analysis II	4.0
	Term Credits	**15.0**

Term 3

ACCT 115	Financial Accounting Foundations	4.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
Select one of the following:		3.0
BIO 100 or 101	Applied Cells, Genetics & Physiology Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	
Modern Language 101/General Education elective		4.0
	Term Credits	**14.0**

Term 4

ACCT 116	Managerial Accounting Foundations	4.0
COM 270 [WI]	Business Communication	3.0
STAT 201	Introduction to Business Statistics	4.0
Modern Language 102/General Education elective		4.0
	Term Credits	**15.0**

Term 5

History Elective (HIST)		3.0
INTB 200	International Business	4.0
Select one of the following:		3.0
BIO 100 or 101	Applied Cells, Genetics & Physiology Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	
Modern Language 103/General Education elective		4.0
	Term Credits	**14.0**

Term 6

MIS 200	Management Information Systems	4.0
BLAW 201	Business Law I	4.0
PSY 101	General Psychology I	3.0
Modern Language 201/Free elective		4.0
	Term Credits	**15.0**

Term 7

FIN 301	Introduction to Finance	4.0
MKTG 301	Introduction to Marketing Management	4.0
ORGB 300 [WI]	Organizational Behavior	4.0
Modern Language 202/General Ed Elective		4.0
	Term Credits	**16.0**

Term 8

INTB Category A Elective		4.0
INTB Category B Elective		4.0
OPM 200	Operations Management	4.0
Modern Language 203/Free Elective		4.0
	Term Credits	**16.0**

Term 9

INTB Category B Elective		4.0
INTB Category B Elective		4.0
Science Elective		3.0
PHIL 105	Critical Reasoning	3.0
	Term Credits	**14.0**

Term 10

INTB Category A Elective		4.0
UNIV B201	Career Management	1.0
Social science elective		3.0
ENGL 200 - ENGL 399 course		3.0
Free elective		4.0
	Term Credits	**15.0**

Term 11

INTB Category A Elective		4.0
MGMT 450	Strategy and Competitive Advantage	4.0
Select one of the following:		4.0
BUSN 451	Business Consulting	
MGMT 260	Introduction to Entrepreneurship	
MGMT 451	Management Simulation	
STAT 202	Business Statistics II	
Free elective		3.0
	Term Credits	**15.0**

Term 12

INTB 440	Seminar in International Business	4.0
Fine Arts elective		3.0
Free electives		4.0
INTB Category B Elective		4.0
	Term Credits	**15.0**

Total Credit: 180.0

* See degree requirements.

Co-op/Career Opportunities

International business graduates are employed in a variety of corporate settings, including the pharmaceutical, banking and telecommunication industries. Some students pursue graduate studies or find employment in multilateral governmental organizations.

The concentration has been designed to provide a competitive advantage for those students interested in international business careers. In addition to business coursework, students also take advantage of Drexel's programs in history-politics, sociology, anthropology, and other areas that focus on international topics.

The University offers a foreign language class in Arabic and minors in Chinese, French, German, Italian, Japanese, Russian, and Spanish. Each minor can include study of the vocabulary needed for business transactions within the particular language.

Visit the Drexel Steinbright Career Development Center (http://www.drexel.edu/scdc) page for more detailed information on co-op and post-graduate opportunities.

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Chiou-shuang Yan, PhD *(Purdue University).* Professor Emeritus. International economics, input-output analysis.

Courses

INTB 200 International Business 4.0 Credits
This course examines economic, political, legal, and social factors affecting formulation of international business strategy.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

INTB 332 Multinational Corporations 4.0 Credits
Discusses the role and function of multinational corporations in the global economy, reasons for their existence, and the impact of market structures on the operations of multinationals. Considers the interactions between multinationals and national authorities, and the international transfer of technology.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C]

INTB 334 International Trade 4.0 Credits
Examines major issues in international trade and commercial policy. Uses real-world applications to derive and illustrate models of international trade. Covers rationales and benefits of international trade, protectionism, the political economy of commercial policy, international trade and development, and economic integration and world trade.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C]

INTB 336 International Money and Finance 4.0 Credits
Examines major issues in international finance and open-economy macroeconomics. Develops models of international monetary interdependence and applies them to real-world examples. Covers determinants of interest rates, balance of payments, international macro policy, restructuring the international monetary system, and globalization of financial markets.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C]

INTB 338 Regional Studies in Economic Policies and International Business 4.0 Credits
Study of the industry,trade and macroeconomic trends of a major world region,such as East Asia, Latin America, Europe or the Near East.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C]

INTB 440 Seminar in International Business 4.0 Credits
Writing and discussion on advanced topics relevant to International Business. Content is determined mainly by the interests of the students enrolled at a particular term.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Can enroll if classification is Junior or Senior.
Prerequisites: INTB 200 [Min Grade: C]

INTB 481 Special Topics in International Business 0.5-12.0 Credits
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit
Restrictions: Cannot enroll if classification is Freshman

INTB 482 International Business and Emerging Markets 1.0 Credit
The course is required for INTB students participating in the LeBow College of Business undergraduate international residency. It is structured as an independent study course with no lecures. A term research paper is a requirement.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

INTB 499 Independent Study in International Business 12.0 Credits
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit

International Business Co-Major

Bachelor of Science in Business Administration (BSBA): 184.0 quarter credits.
This International Business program is a "co-major"

About the Program

The International Business Co-Major explores the international business environment as well as the internal workings of international corporations and the impact of international considerations on the various functional areas of business.

The co-major option substitutes further training in a relevant business discipline or functional field in the form of a Primary Major instead of the language courses.

International business focuses on business activities that cross national borders. The plan of study explores the international business environment as well as the internal workings of international corporations and the impact of international considerations on the various functional areas of business.

The international business co-major allows students to choose from a menu of courses. The curriculum is interdisciplinary, with courses drawn from across business disciplines and anthropology. Specialized operational courses are offered, along with more general theoretical and comparative ones.

Students completing the International Business Co-Major must do so in conjunction with a primary business major from the following list:

- Accounting
- Entrepreneurship
- Finance
- Legal Studies
- Management Information Systems
- Marketing
- Operations & Supply Chain Management

Degree Requirements

General Education Requirements

ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
COM 270 [WI]	Business Communication (WI)	3.0
MATH 101	Introduction to Analysis I	4.0
MATH 102	Introduction to Analysis II	4.0
PHIL 105	Critical Reasoning	3.0
PSY 101	General Psychology I	3.0
UNIV B101 [WI]	The Drexel Experience	2.0
English literature elective: (ENGL 200 through ENGL 399)		3.0
Fine arts elective		3.0
History (HIST) elective		3.0
Select two of the following:		6.0
BIO 100	Applied Cells, Genetics & Physiology	

or BIO 101	Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	
General Education (Category) Electives *		21.0
Business Requirements		
BUSN 101	Foundations of Business I	4.0
BUSN 102	Foundations of Business II	4.0
ACCT 115	Financial Accounting Foundations	4.0
ACCT 116	Managerial Accounting Foundations	4.0
BLAW 201	Business Law I	4.0
STAT 201	Introduction to Business Statistics	4.0
ECON 201	Principles of Microeconomics	4.0
ECON 202	Principles of Macroeconomics	4.0
FIN 301	Introduction to Finance	4.0
MIS 200	Management Information Systems	4.0
MKTG 301	Introduction to Marketing Management	4.0
OPM 200	Operations Management	4.0
ORGB 300 [WI]	Organizational Behavior (WI)	4.0
INTB 200	International Business	4.0
MGMT 450	Strategy and Competitive Advantage	4.0
Select one of the following:		4.0
STAT 202	Business Statistics II	
MGMT 260	Introduction to Entrepreneurship	
MGMT 451	Management Simulation	
BUSN 451	Business Consulting	
Primary Major Courses		32.0

Students completing the International Business co-major (requirements listed below) must do so in conjunction with a primary business major. Students must select a primary major from the following list (Accounting, Entrepreneurship, Finance, Legal Studies, Management Information Systems, Marketing, or Operations & Supply Chain Management.)

International Business Co-Major Requirements **

The International Business Major offers two options: Option (A), which includes study for competency in a language other than English (and other than the student's native language). For more information, please see the International Business (Stand-Alone Option) listed under Majors. Option (B) is the Co-Major option highlighted below. The co-major option substitutes further training in a relevant business discipline or functional field in the form of a Primary Major instead of the language courses.

Select six of the following:		24.0
ANTH 312	Approaches to Intercultural Behavior	
BLAW 340	International Business Law	
ECON 342	Economic Development	
ECON 344	Comparative Economic Systems	
FIN 346	Global Financial Management	
INTB 332	Multinational Corporations	
INTB 334	International Trade	
INTB 336	International Money and Finance	
INTB 338	Regional Studies in Economic Policies and International Business	
INTB 440	Seminar in International Business	
MIS 347	Domestic and Global Outsourcing Management	

MKTG 357	Global Marketing	
Total Credits		**184.0**

*   Students select seven (21.0 credits) of additional general education electives with a minimum of one course in each of the following categories:
- Society and Culture (Communication, English, Fine Arts, International Area Studies, Language, Philosophy)
- Social Science (Anthropology, History, Sociology, Political Science, Psychology)
- Math and Science (Computer Science, Information Systems, Math, Science).

**   Students completing the International Business co-major must do so in conjunction with a primary business major. Students must select a primary major from the following list:
- Accounting
- Entrepreneurship
- Finance
- Legal Studies
- Management Information Systems
- Marketing
- Operations & Supply Chain Management

Sample Plan of Study

Term 1		Credits
BUSN 101	Foundations of Business I	4.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
MATH 101	Introduction to Analysis I	4.0
UNIV B101 [WI]	The Drexel Experience	1.0
ECON 201	Principles of Microeconomics	4.0
	Term Credits	**16.0**
Term 2		
BUSN 102	Foundations of Business II	4.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
MATH 102	Introduction to Analysis II	4.0
ECON 202	Principles of Macroeconomics	4.0
	Term Credits	**15.0**
Term 3		
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
ACCT 115	Financial Accounting Foundations	4.0
PSY 101	General Psychology I	3.0
General education elective		3.0
Select one of the following:		3.0
BIO 100 or 101	Applied Cells, Genetics & Physiology Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	
	Term Credits	**16.0**
Term 4		
STAT 201	Introduction to Business Statistics	4.0
ACCT 116	Managerial Accounting Foundations	4.0
BLAW 201	Business Law I	4.0

COM 270 [WI]	Business Communication	3.0
	Term Credits	**15.0**

Term 5

MIS 200	Management Information Systems	4.0
INTB 200	International Business	4.0
Select one of the following:		4.0
MGMT 260	Introduction to Entrepreneurship	
MGMT 451	Management Simulation	
STAT 202	Business Statistics II	
BUSN 451	Business Consulting	
Select one of the following:		3.0
BIO 100 or 101	Applied Cells, Genetics & Physiology / Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	
	Term Credits	**15.0**

Term 6

English literature elective - ENGL 200 through 399		3.0
FIN 301	Introduction to Finance	4.0
MKTG 301	Introduction to Marketing Management	4.0
OPM 200	Operations Management	4.0
	Term Credits	**15.0**

Term 7

Primary Major Course 1*		4.0
ORGB 300 [WI]	Organizational Behavior (WI)	4.0
PHIL 105	Critical Reasoning	3.0
International Business Co-Major Course (See co-major requirements for list)		4.0
	Term Credits	**15.0**

Term 8

Primary Major Course 2*		4.0
International Business Co-Major Course (See co-major requirements for list)		4.0
History (HIST) elective		3.0
Science or computer science elective		3.0
	Term Credits	**14.0**

Term 9

Society and culture elective		3.0
Primary Major Course 3*		4.0
Primary Major Course 4*		4.0
International Business Co-Major Course (See co-major requirements for list)		4.0
	Term Credits	**15.0**

Term 10

Fine Arts elective		3.0
General education elective		3.0
Primary Major Course 5*		4.0
International Business Co-Major Course (See co-major requirements for list)		4.0
UNIV B201	Career Management	1.0
	Term Credits	**15.0**

Term 11

Primary Major course 6*		4.0
Primary Major course 7*		4.0
MGMT 450	Strategy and Competitive Advantage	4.0
International Business Co-Major Course (See co-major requirements for list)		4.0
	Term Credits	**16.0**

Term 12

General education elective		3.0
General education elective		3.0
Social science elective		3.0
Primary Major course 8*		4.0
International Business Co-Major Course (See co-major requirements for list)		4.0
	Term Credits	**17.0**

Total Credit: 184.0

* See catalog for a list of Business majors that may be completed in conjunction with the International Business Co-Major.

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Courses

INTB 200 International Business 4.0 Credits
This course examines economic, political, legal, and social factors affecting formulation of international business strategy.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

INTB 332 Multinational Corporations 4.0 Credits
Discusses the role and function of multinational corporations in the global economy, reasons for their existence, and the impact of market structures on the operations of multinationals. Considers the interactions between multinationals and national authorities, and the international transfer of technology.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C]

INTB 334 International Trade 4.0 Credits
Examines major issues in international trade and commercial policy. Uses real-world applications to derive and illustrate models of international trade. Covers rationales and benefits of international trade, protectionism, the political economy of commercial policy, international trade and development, and economic integration and world trade.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C]

INTB 336 International Money and Finance 4.0 Credits
Examines major issues in international finance and open-economy macroeconomics. Develops models of international monetary interdependence and applies them to real-world examples. Covers determinants of interest rates, balance of payments, international macro policy, restructuring the international monetary system, and globalization of financial markets.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C]

INTB 338 Regional Studies in Economic Policies and International Business 4.0 Credits
Study of the industry,trade and macroeconomic trends of a major world region,such as East Asia, Latin America, Europe or the Near East.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: ECON 201 [Min Grade: C] and ECON 202 [Min Grade: C]

INTB 440 Seminar in International Business 4.0 Credits
Writing and discussion on advanced topics relevant to International Business. Content is determined mainly by the interests of the students enrolled at a particular term.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Can enroll if classification is Junior or Senior.
Prerequisites: INTB 200 [Min Grade: C]

INTB 481 Special Topics in International Business 0.5-12.0 Credits
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit
Restrictions: Cannot enroll if classification is Freshman

INTB 482 International Business and Emerging Markets 1.0 Credit
The course is required for INTB students participating in the LeBow College of Business undergraduate international residency. It is structured as an independent study course with no lecures. A term research paper is a requirement.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

INTB 499 Independent Study in International Business 12.0 Credits
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit

Legal Studies

Bachelor of Science in Business Administration (BSBA): 180.0 quarter credits

About the Program

Law is pervasive in all aspects of business and life. The major in legal studies provides Drexel University students with the ability to recognize the influence of the law, understand its application and make informed and intelligent decisions regarding the course of action to take.

Although the major in legal studies will benefit those interested in pursuing a career in law, it is not intended solely for students aspiring to attend law school. This major enhances any business student's perspective on the impact of legal issues within their respective professions.

Students will learn the basics of various areas of the law and the legal environment of business and will learn to identify the factual situation in which to apply that law. They will be able to analyze the facts, determine which aspects of the law are pertinent, apply that to those facts, and draw a conclusion. Clarity of thought, reasoning and expression (both oral and written) are additional results of this process.

Emphasis is on critical thinking as a tool for problem solving, so that whatever the discipline, students will be able to identify and prevent possible problems or seek proper and timely assistance for critical decision making.
For more information about the program, contact the Department of Legal Studies (http://www.lebow.drexel.edu/Faculty/Departments/Legal) .

Degree Requirements

Bachelor of Science in Business Administration (BSBA) Degree Requirements

General Education Requirements

ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
COM 270 [WI]	Business Communication	3.0
MATH 101	Introduction to Analysis I	4.0
MATH 102	Introduction to Analysis II	4.0
PHIL 105	Critical Reasoning	3.0
PSY 101	General Psychology I	3.0
UNIV B101 [WI]	The Drexel Experience	1.0
UNIV B201	Career Management	1.0
English literature elective ENGL 200 through ENGL 399		3.0
Fine Arts elective		3.0
History (HIST) elective		3.0
Select two of the following:		6.0
BIO 100	Applied Cells, Genetics & Physiology	
or BIO 101	Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	

General Education Electives

Students select seven (21.0 credits) general education electives, with a minimum of one course in each of the following three categories. Students take the remaining 12.0 credits from any of the topics listed under Additional General Education Electives.

Society and Culture	
Communication, English, Fine Arts, International Area Studies, Language or Philosophy	3.0
Social Science	
Anthropology, History, Sociology, Political Science, Psychology	3.0
Science	
Computer Science, Information Systems, Science	3.0

Additional General Education Electives

Twelve (12) credits must be earned by taking 4 courses from the following topics: Communication, English, Fine Arts, International Area Studies, Language, Philosophy, Anthropology, History, Sociology, Political Science, Psychology, Computer Science, Information Systems, Math, Science	12.0

Business Requirements

ACCT 115	Financial Accounting Foundations	4.0
ACCT 116	Managerial Accounting Foundations	4.0
BUSN 101	Foundations of Business I (Online students take BUSN 111)	4.0
BUSN 102	Foundations of Business II (Online students take BUSN 112)	4.0
BLAW 201	Business Law I	4.0
ECON 201	Principles of Microeconomics	4.0
ECON 202	Principles of Macroeconomics	4.0
FIN 301	Introduction to Finance	4.0
INTB 200	International Business	4.0
MGMT 450	Strategy and Competitive Advantage	4.0
MIS 200	Management Information Systems	4.0
MKTG 301	Introduction to Marketing Management	4.0

OPM 200	Operations Management	4.0
ORGB 300 [WI]	Organizational Behavior	4.0
STAT 201	Introduction to Business Statistics	4.0
Select one of the following:		4.0
BUSN 451	Business Consulting	
MGMT 260	Introduction to Entrepreneurship	
MGMT 451	Management Simulation	
STAT 202	Business Statistics II	
Major Requirements		
Eight required courses (See Major Requirements list below)		32.0
Free Electives		20.0
Total Credits		**180.0**

Legal Studies Major Degree Requirements

Select eight of the following:		32.0
BLAW 202	Business Law II	
BLAW 321	Law of Business Organizations	
BLAW 330	Real Estate	
BLAW 334	Labor Law	
BLAW 338	Government Regulation and Business	
BLAW 340	International Business Law	
BLAW 342	Criminal Law	
BLAW 346	Entrepreneurial Law	
BLAW 348	White Collar Crime	
BLAW 356	Legal Issues in Corporate Governance	
BLAW 358	Employment Law	
BLAW 360	Intellectual Property and Cyber Law	
Total Credits		**32.0**

Sample Plan of Study

Term 1		Credits
BUSN 101	Foundations of Business I	4.0
ECON 201	Principles of Microeconomics	4.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
MATH 101	Introduction to Analysis I	4.0
UNIV B101 [WI]	The Drexel Experience	1.0
	Term Credits	**16.0**
Term 2		
BUSN 102	Foundations of Business II	4.0
ECON 202	Principles of Macroeconomics	4.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
MATH 102	Introduction to Analysis II	4.0
	Term Credits	**15.0**
Term 3		
ACCT 115	Financial Accounting Foundations	4.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
PSY 101	General Psychology I	3.0
General education elective		3.0

Society and culture elective		3.0
	Term Credits	**16.0**
Term 4		
ACCT 116	Managerial Accounting Foundations	4.0
STAT 201	Introduction to Business Statistics	4.0
History (HIST) elective		3.0
Select one of the following:		3.0
BIO 100 or 101	Applied Cells, Genetics & Physiology or Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	
	Term Credits	**14.0**
Term 5		
BLAW 201	Business Law I	4.0
MIS 200	Management Information Systems	4.0
Select one of the following		3.0
BIO 100 or 101	Applied Cells, Genetics & Physiology or Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	
Social science elective		3.0
	Term Credits	**14.0**
Term 6		
FIN 301	Introduction to Finance	4.0
MKTG 301	Introduction to Marketing Management	4.0
ORGB 300 [WI]	Organizational Behavior	4.0
ENGL 200 Through ENGL 399		3.0
	Term Credits	**15.0**
Term 7		
Business Legal Studies (BLAW) Course		4.0
INTB 200	International Business	4.0
OPM 200	Operations Management	4.0
COM 270 [WI]	Business Communication	3.0
	Term Credits	**15.0**
Term 8		
PHIL 105	Critical Reasoning	3.0
Business Legal Studies (BLAW) Course		4.0
Select one of the following:		4.0
BUSN 451	Business Consulting	
MGMT 260	Introduction to Entrepreneurship	
MGMT 451	Management Simulation	
STAT 202	Business Statistics II	
Free elective		4.0
	Term Credits	**15.0**
Term 9		
Business Legal Studies (BLAW) Course		4.0
Business Legal Studies (BLAW) Course		4.0
Science elective		3.0
Free elective		4.0
	Term Credits	**15.0**

Term 10

Business Legal Studies (BLAW) Course		4.0
Business Legal Studies (BLAW) Course		4.0
General education elective		3.0
Free elective		4.0
Term Credits		**15.0**

Term 11

Business Legal Studies (BLAW) Course		4.0
MGMT 450	Strategy and Competitive Advantage	4.0
Fine arts elective		3.0
Free electives		4.0
Term Credits		**15.0**

Term 12

Business Legal Studies (BLAW) Course		4.0
UNIV B201	Career Management	1.0
General studies electives		3.0
General studies electives		3.0
Free electives		4.0
Term Credits		**15.0**

Total Credit: 180.0

*   See degree requirements.

Minor in Legal Studies

Requirements

- No more than 2 courses or 8.0 credits required by a student's major may be counted towards this minor.
- A grade of "C" (2.0) or better must be earned for each course in this minor for it to be counted.
- No more than two transfer courses may be used to complete this minor. Transfer credits must be taken before matriculated at Drexel.
- Students should check the pre-requisites of all classes when selecting electives. It is the responsibility of the student to know pre-requisites.
- Business administration and business & engineering students may complete any of the business minors, including: accounting, business, economics, entrepreneurship, finance, international economics, legal studies, management information systems, marketing, and operations & supply chain management.
- Cannot do a major and a minor in the same field of study.

All prospective students should meet with an advisor from the College as soon as possible. Call 215.895.2110 to set up an appointment.

Requirements

BLAW 201	Business Law I	4.0
Select five of the following:		20.0
BLAW 202	Business Law II	
BLAW 321	Law of Business Organizations	
BLAW 330	Real Estate	
BLAW 334	Labor Law	
BLAW 338	Government Regulation and Business	
BLAW 340	International Business Law	
BLAW 342	Criminal Law	
BLAW 346	Entrepreneurial Law	
BLAW 348	White Collar Crime	
BLAW 356	Legal Issues in Corporate Governance	
BLAW 358	Employment Law	
BLAW 360	Intellectual Property and Cyber Law	
Total Credits		**24.0**

Legal Studies Faculty

Roger D. Collons, JD, PhD *(George Washington University; Georgia State University) Department of Legal Studies.* Professor. Patent law, preservation of wealth.

Richard P. Freedman, JD, LLM *(Temple University) Head of the Department of Legal Studies.* Associate Professor. Taxation, corporate and business matters, real estate, estate planning, estate administration and elder law.

Rosalie S. Kreider, JD *(Villanova University) Department of Legal Studies.* Clinical Professor. Business law, international business law.

Neal Orkin, JD *(Temple University) Department of Legal Studies.* Associate Professor. Intellectual property rights of employed inventors and authors; labor relations.

Natalie Pedersen, JD *(Harvard University) Department of Legal Studies.* Assistant Professor. American law, contract law, labor and employment law.

Steven R. Sher, JD *(Georgetown University Law Center) Department of Legal Studies.* Associate Professor. Business law, product liability, negligence, medical malpractice.

Courses

BLAW 201 Business Law I 4.0 Credits
Covers scope and classification of business law and the field of contracts.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman

BLAW 202 Business Law II 4.0 Credits
Covers sales, negotiable instruments, personal property, and bailments.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman

BLAW 321 Law of Business Organizations 4.0 Credits
Covers agencies, partnerships, corporations, and limited-liability companies.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman

BLAW 330 Real Estate 4.0 Credits
Studies real property laws and the various rights, obligations, and limitations pertaining to land ownership. Analyzes the problems, procedures, and documents involved in the acquisition, mortgaging, and transfer of real property.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman

BLAW 334 Labor Law 4.0 Credits
Examines state and federal law regulating labor relations. Analyzes employment law and its impact on employment practices.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman

BLAW 338 Government Regulation and Business 4.0 Credits
Examines constitutional questions regarding relationship between business and various levels of government in the United States.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman

BLAW 340 International Business Law 4.0 Credits
Examines the law of international commercial transactions, trade, licensing, investments, and dispute resolution.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman

BLAW 342 Criminal Law 4.0 Credits
Surveys state and federal criminal codes and procedures.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman

BLAW 346 Entrepreneurial Law 4.0 Credits
This course is intended to address the various legal and ethical issues that confront individuals and companies in starting up new ventures, either within an existing company or a new start-up company.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

BLAW 348 White Collar Crime 4.0 Credits
Examines the current federal and local criminal codes as they apply specifically to managers and businesses and the enforcement process.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

BLAW 350 Life Insurance 3.0 Credits
Covers basic principles and practices in the field of life insurance.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman

BLAW 354 Property and Liability Insurance 3.0 Credits
Covers principles involved in and the protection provided by property and liability insurance, including multiple line and all risk insurance.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman

BLAW 356 Legal Issues in Corporate Governance 4.0 Credits
This course examines the legal and regulatory environment of corporate governance by reviewing legislation such as Sarbane/Oxley and other regulations. The course examines not only the compliance requirement and penalties imposed by such regulations, but also analysis the impact it has on director and managers in the management of business.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: BLAW 201 [Min Grade: D]

BLAW 358 Employment Law 4.0 Credits
Examines and analyzes legal aspects of employment as governed by law and judicial decision, including labor standards, workers' compensation, employment law and employment practices, and employer and employee rights.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: BLAW 201 [Min Grade: D]

BLAW 360 Intellectual Property and Cyber Law 4.0 Credits
This course presents an overview of the Law of Intellectual Property. It examines patents, copyrights, trademarks and trade secrets together with public policy issues including the Constitution and legislation. It also reviews current regulation and legislation relating to the Internet, including privacy and tort issues.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: BLAW 201 [Min Grade: D]

BLAW 481 Special Topics in Business Law 1.0-4.0 Credit
Various topics of particular interest to business law students.
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit
Restrictions: Cannot enroll if classification is Freshman

BLAW 498 Special Topics in Legal Studies 1.0-4.0 Credit
This course covers topics of particular interest in the area of legal studies.
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit
Restrictions: Cannot enroll if classification is Freshman

BLAW 499 Independent Study 1.0-4.0 Credit
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit

Management Information Systems

Bachelor of Science in Business Administration (BSBA): 180.0 quarter credits

About the Major

Management information systems (MIS) involves the managing of people and systems related to information technology. The goal is to integrate both areas of expertise and apply the power of technology to solving business problems.

The major in management information systems prepares students for many opportunities in the information technology field and business. These include careers such as information systems managers, IT Business Analyst and Information Systems Consultants. Aimed at

producing graduates who bridge the gap between technical knowledge and business functions, the program focuses on a mix of applied computer systems content, interpersonal interaction, and a practical business orientation.

While administered by the Department of Management (http://www.lebow.drexel.edu/Faculty/Departments/Management) , the major in management information systems is interdisciplinary in nature. The courses may be taken by students in other colleges and departments who wish to complement other computer-related studies with business-oriented information systems subjects.

Drexel is a particularly exciting place to pursue any computer-oriented major. Drexel made history as the first university in the nation to require every student to have access to a personal computer. Today, Drexel's leadership continues with academic software development and major investments in the information infrastructure. Drexel University is a campus where computers are an integral part of all education, not just computer courses.

Degree Requirements

Bachelor of Science in Business Administration (BSBA) Degree Requirements

General Education Requirements

ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
COM 270 [WI]	Business Communication	3.0
MATH 101	Introduction to Analysis I	4.0
MATH 102	Introduction to Analysis II	4.0
PHIL 105	Critical Reasoning	3.0
PSY 101	General Psychology I	3.0
UNIV B101 [WI]	The Drexel Experience	1.0
UNIV B201	Career Management	1.0
English literature elective ENGL 200 through ENGL 399		3.0
Fine Arts elective		3.0
History (HIST) elective		3.0
Select two of the following:		6.0
BIO 100	Applied Cells, Genetics & Physiology	
or BIO 101	Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	

General Education Electives

Students select seven (21.0 credits) general education electives, with a minimum of one course in each of the following three categories. Students take the remaining 12.0 credits from any of the topics listed under Additional General Education Electives.

Society and Culture	
Communication, English, Fine Arts, International Area Studies, Language or Philosophy	3.0
Social Science	
Anthropology, History, Sociology, Political Science, Psychology	3.0
Science	
Computer Science, Information Systems, Science	3.0

Additional General Education Electives

Twelve (12) credits must be earned by taking 4 courses from the following topics: Communication, English, Fine Arts, International Area Studies, Language, Philosophy, Anthropology, History, Sociology, Political Science, Psychology, Computer Science, Information Systems, Math, Science	12.0

Business Requirements

ACCT 115	Financial Accounting Foundations	4.0
ACCT 116	Managerial Accounting Foundations	4.0
BUSN 101	Foundations of Business I (Online students take BUSN 111)	4.0
BUSN 102	Foundations of Business II (Online students take BUSN 112)	4.0
BLAW 201	Business Law I	4.0
ECON 201	Principles of Microeconomics	4.0
ECON 202	Principles of Macroeconomics	4.0
FIN 301	Introduction to Finance	4.0
INTB 200	International Business	4.0
MGMT 450	Strategy and Competitive Advantage	4.0
MIS 200	Management Information Systems	4.0
MKTG 301	Introduction to Marketing Management	4.0
OPM 200	Operations Management	4.0
ORGB 300 [WI]	Organizational Behavior	4.0
STAT 201	Introduction to Business Statistics	4.0
Select one of the following:		4.0
BUSN 451	Business Consulting	
MGMT 260	Introduction to Entrepreneurship	
MGMT 451	Management Simulation	
STAT 202	Business Statistics II	

Major Requirements

Eight required courses (See Major Requirements list below)	32.0
Free Electives	20.0
Total Credits	**180.0**

Management Information Systems Major Required Courses

MIS 342	Systems Analysis and Design	4.0
MIS 343	Database Design and Implementation	4.0
MIS 346	Management Information Systems Strategy	4.0
MIS 347	Domestic and Global Outsourcing Management	4.0
Select four of the following: [*]		16.0
MIS 348	Visual Basic Database Programming for Business	
OPR 320	Linear Models for Decision Making	
MGMT 364	Technology Management	
MGMT 365	Business Plan for Entrepreneurs	
MGMT 451	Management Simulation	
Total Credits		**32.0**

[*] Students select from the following courses, or any other course at LeBow with the program manager's permission.

Sample Plan of Study

Term 1		Credits
BUSN 101	Foundations of Business I	4.0

ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
MATH 101	Introduction to Analysis I	4.0
UNIV B101 [WI]	The Drexel Experience	1.0
Select one of the following:		3.0
BIO 100 or 101	Applied Cells, Genetics & Physiology Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	
	Term Credits	**15.0**
Term 2		
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
BUSN 102	Foundations of Business II	4.0
MATH 102	Introduction to Analysis II	4.0
Select one of the following:		3.0
BIO 100 or 101	Applied Cells, Genetics & Physiology Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	
	Term Credits	**14.0**
Term 3		
ACCT 115 or ECON 201	Financial Accounting Foundations Principles of Microeconomics	4.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
PSY 101	General Psychology I	3.0
General education elective		3.0
Society and culture elective		3.0
	Term Credits	**16.0**
Term 4		
ACCT 115 or ECON 201	Financial Accounting Foundations Principles of Microeconomics	4.0
ACCT 116 or ECON 202	Managerial Accounting Foundations Principles of Macroeconomics	4.0
STAT 201	Introduction to Business Statistics	4.0
History (HIST) elective		3.0
	Term Credits	**15.0**
Term 5		
BLAW 201	Business Law I	4.0
MIS 200	Management Information Systems	4.0
Social science elective		3.0
ECON 202 or ACCT 116	Principles of Macroeconomics Managerial Accounting Foundations	4.0
	Term Credits	**15.0**
Term 6		
COM 270 [WI]	Business Communication	3.0
INTB 200	International Business	4.0
MKTG 301	Introduction to Marketing Management	4.0
OPM 200	Operations Management	4.0
	Term Credits	**15.0**
Term 7		

FIN 301	Introduction to Finance	4.0
ORGB 300 [WI]	Organizational Behavior	4.0
Science elective		3.0
Free elective		4.0
	Term Credits	**15.0**
Term 8		
MIS 342	Systems Analysis and Design	4.0
MIS 346	Management Information Systems Strategy	4.0
PHIL 105	Critical Reasoning	3.0
Free elective		4.0
	Term Credits	**15.0**
Term 9		
MIS 343	Database Design and Implementation	4.0
MIS 347	Domestic and Global Outsourcing Management	4.0
General Education elective		3.0
Free elective		4.0
	Term Credits	**15.0**
Term 10		
Management Information Systems (MIS) Major Course[*]		4.0
Management Information Systems (MIS) Major Course[*]		4.0
Select one of the following:		4.0
BUSN 451	Business Consulting	
MGMT 260	Introduction to Entrepreneurship	
MGMT 451	Management Simulation	
STAT 202	Business Statistics II	
General education elective		3.0
	Term Credits	**15.0**
Term 11		
MGMT 450	Strategy and Competitive Advantage	4.0
ENGL 200 - ENGL 399 course		3.0
Management Information Systems (MIS) Major Course[*]		4.0
Free elective		4.0
	Term Credits	**15.0**
Term 12		
UNIV B201	Career Management	1.0
Management Information Systems (MIS) Major Course[*]		4.0
Fine arts elective		3.0
General education elective		3.0
Free electives		4.0
	Term Credits	**15.0**

Total Credit: 180.0

[*]   *See course options in the list of degree requirements.

Co-op/Career Opportunities

Career opportunities exist in a wide range of business settings. Students prepare for careers as managers of information resource units, or as staff members who develop and support computer systems.

Recent Management Information System (MIS) graduates have gone on to work for many types of businesses and other organizations. Some job titles include: MIS designer, systems analyst, project leader,

telecommunications administrator, information center manager, database administrator, decision-support system consultant. Some MIS students also choose to continue their studies with an MBA; recent Drexel MIS graduates are now attending Columbia, Princeton, and the University of Pennsylvania.

Visit the Drexel Steinbright Career Development Center (http://www.drexel.edu/scdc) page for more detailed information on co-op and post-graduate opportunities.

Minor in Management Information Systems

Requirements

- No more than 2 courses or 8.0 credits required by a student's major may be counted towards this minor.
- A grade of "C" (2.0) or better must be earned for each course in this minor for it to be counted.
- No more than two transfer courses may be used to complete this minor. Transfer credits must be taken before matriculated at Drexel.
- Students should check the pre-requisites of all classes when selecting electives. It is the responsibility of the student to know pre-requisites.
- Business administration and business & engineering students may complete any of the business minors, including: accounting, business, economics, entrepreneurship, finance, international economics, legal studies, management information systems, marketing, and operations & supply chain management.
- Cannot do a major and a minor in the same field of study.

All prospective students should meet with an advisor from the College as soon as possible. Call 215.895.2110 to set up an appointment.

Required Courses

MIS 200	Management Information Systems	4.0
MIS 342	Systems Analysis and Design	4.0
MIS 343	Database Design and Implementation	4.0
MIS 346	Management Information Systems Strategy	4.0
MIS 347	Domestic and Global Outsourcing Management	4.0
MIS 348	Visual Basic Database Programming for Business	4.0
Total Credits		**24.0**

Facilities

Management Faculty

Shanti Dewi Anak Agung Istri, PhD *(Georgia Institute of Technology)*. Assistant Professor. Technology commercialization; technology entrepreneurship.

Murugan Anandarajan, PhD *(Drexel University) Head of Department, Management*. Professor. Individual Internet usage behavior (specifically abuse and addiction); Application of artificial intelligence techniques in forensic accounting and ophthalmology.

Orakwue B. Arinze, PhD *(London School of Economics)*. Professor. Client/Server computing; Enterprise Application Software (EAS)/Enterprise Resource Planning Software (ERP); knowledge-based and decision support applications in operations management.

Suresh Chandran, PhD. Associate Clinical Professor. Corporate entrepreneurship; corporate social responsibility; global management; intellectual property and employee rights.

Qizhi Dai, PhD *(University of Minnesota)*. Associate Professor. Business to Business E-Commerce; information technology adoption; economic analysis of information systems.

Donna Marie De Carolis, PhD *(Temple University) Dean, Close School of Entrepreneurship*. Professor. Pharmaceutical/biotechnology industries; entrepreneurship; technology & strategy; technology commercialization, strategic alliances; social capital.

David Gefen, PhD *(Georgia State University)*. Professor. Strategic IT management; IT development and implementation management; research methodology; managing the adoption of large IT systems, such as MRP II, ERP, and expert systems; research methodology.

Azi Gera, PhD *(University of Maryland)*. Assistant Professor. Business planning, new venture performance and survival, social networking, cognition and strategy, determinants of firm performance, attention based view, business angles and VC firms, interfirm signaling, private equity investments.

Cuneyt Gozu, PhD *(University of Albany)*. Associate Clinical Professor.

Jeffrey H. Greenhaus, PhD *(New York University) William A. Mackie Professor of Management*. Professor. Career management, career decision making, work-family linkages, managing diversity,career and adult life development, organizational behavior/human resources, job design, models of work motivation and job attitudes, human resource staffing.

Mazhar Islam, PhD *(University of Minnesota)*. Assistant Professor. New markets in emerging countries, alliances, corporate entrepreneurship, emerging countries, pharmaceutical and biotechnology industry, technological innovation, transaction cost economics.

Robert W. Keidel, PhD *(Wharton School, University of Pennsylvania)*. Clinical Professor. Organization design and change, management of technology, strategic cognition.

Keisha Liggett-Nichols, EDB *(Georgia State University)*. Associate Clinical Professor. Corporate entrepreneurship, determinants of firm performance, evidence-based management.

Frank Linnehan, PhD *(Temple University) Interim Dean, LeBow College of Business*. Professor. Affirmative action; workforce diversity; equal employment; school-to-work transitions for younger workers. Research focuses on issues of race and diversity in the workplace.

Yu-Chieh Lo, PhD *(University of Southern California)*. Assistant Professor. Organization theory, technology entrepreneurship.

Mark Loschiavo, MS *(University of Kentucky)*. Clinical Professor. Business planning; new venture performance and survival; strategic management; strategic thinking; technology entrepreneurship.

Dali Ma, PhD *(University of Chicago)*. Assistant Professor. Status dynamics, social networks, founding team formation; venture capital syndication; family business; Chinese private entrepreneurship.

Michele K. Masterfano, DBA *(Argosy University of Sarasolta)*. Associate Clinical Professor. Entrepreneurship/small business administration, business planning, social capital, social networking.

Mary Mawritz, PhD *(University of Central Florida)*. Assistant Professor. Abusive supervision; deviant behavior; leadership.

Suchet Nadkarni, PhD *(University of Kansas)*. Associate Professor. Strategic management, cognition and strategy.

V. K. Narayanan, PhD *(University of Pittsburgh) Delloitte Touche Jones Stubbs Professor; Associate Dean of Research, Department of Management*. Corporate and business strategy; management of technology and innovation; strategy implementation; macro environmental analysis; knowledge management; competitor analysis and intelligence.

Haemin Park, PhD *(University of Washington)*. Assistant Professor. Corporate entrepreneurship; IPO; knowledge-based view of the firm; new venture performance and survival; technology entrepreneurship; venture capital.

Christian Resick, PhD *(Wayne State University)*. Associate Professor. Linkages between CEO personality with organizational culture, climate, and effectiveness; cross-cultural studies of ethical leadership beliefs and behaviors; roles of team leadership and member personality in building shared cognition and effective teamwo

Stanley Ridgley, PhD *(Duke University)*. Assistant Clinical Professor. Business communication; cognition and strategy; competitive intelligence; determinants of firm performance; new markets in emerging countries; Russian business culture.

Raja Roy, PhD *(University of Pittsburgh)*. Assistant Professor. Technology entrepreneurship, determinants of firm performance, technological change, technological innovation.

Samir Shah, DPS *(Pace University)*. Associate Clinical Professor.

Sidney R. Siegel, PhD *(Drexel University)*. Professor. Organizational change, development and behavior.

Daniel Tzabbar, PhD *(University of Toronto)*. Assistant Professor. Business planning, social capital, technology entrepreneurship, alliances, human capital, innovation management, strategic management.

Joan Weiner, PhD *(The Wharton School, University of Pennsylvania)*. Professor. Business ethics, leadership, communication and decision making; educational innovation; health system management design.

Jonathan C. Ziegert, PhD *(University of Maryland)*. Associate Professor. Leadership; team dynamics; group performance; attraction and recruitment; discrimination.

Emeritus Faculty

Milton Silver, PhD *(Columbia University)*. Professor Emeritus. Strategic planning and control systems, analysis and design of information systems, and executive and management development and training.

Courses

MIS 200 Management Information Systems 4.0 Credits
Introductory course to Management of Information Systems, a core business function. The course examines how information systems (i.e., information technology, people, procedures, and data) help add value to an organization, and integrate the various functional areas of a business (e.g., accounting, marketing, etc.).
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

MIS 250 Introduction to Enterprise Application Software Using SAP 4.0 Credits
This course introduces students to the SAP Business Suite and the fundamental concepts of enterprise application software. We will use a hands-on, case study approach to exploring SAP ERP (enterprise resource planning) capabilities such as financials, operations and human capital management. In addition, we will discuss associated SAP applications like Customer Relationship Management and Supply Chain Management, as well as touching on related solutions such as Analytics, Cloud Computing and In-Memory Computing (SAP HANA). After completing this course, students will be equipped with practical skills and competencies for careers in business and IT where SAP software is universal.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

MIS 341 Microcomputer Technologies for Business 4.0 Credits
Builds on the introductory MIS course. Covers computer hardware, software, and networking technologies in considerable detail. Discusses client/server computing, including network operating systems, middleware, and DBMSs, as well as how these technologies can be cost-effectively and efficiently deployed in business contexts. Uses hands-on labs.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: MIS 300 [Min Grade: D] or MIS 200 [Min Grade: D]

MIS 342 Systems Analysis and Design 4.0 Credits
Introduces structured and object-oriented systems analysis and design methodologies in classroom and hands-on lab settings. Discusses system life-cycle concepts and techniques such as dataflow diagrams, structure charts, and E-R diagrams. Also covers object-oriented design, prototyping, and rapid application development approaches.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: MIS 300 [Min Grade: D] or MIS 200 [Min Grade: D]

MIS 343 Database Design and Implementation 4.0 Credits
Covers data and file structures, object-oriented database design, and the use of SQL for querying databases. Discusses logical and physical database design and offers hands-on experience with commercial database management systems (DBMSs).
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: MIS 200 [Min Grade: D] or MIS 300 [Min Grade: D]

MIS 344 Networking Technologies for Business 4.0 Credits
Introduces networking concepts and technologies. Examines the OSI reference model, networking protocols and topologies, and networking operating systems (NOSs). Compares local, campus, metropolitan, and wide-area networks and the newest devices they use. Also includes hands-on use of a leasing NOS.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: MIS 300 [Min Grade: D] or MIS 200 [Min Grade: D]

MIS 345 Client/Server Computing for Business 4.0 Credits
Examines client/server architecture and discusses how it may be successfully developed and deployed. Examines the technological infrastructure of C/S systems such as networks and middleware in hands-on lab settings.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman
Prerequisites: MIS 300 [Min Grade: D] or MIS 200 [Min Grade: D]

MIS 346 Management Information Systems Strategy 4.0 Credits
To discuss Management of Information Systems, and then to elaborate on its application to organizational change, especially to reengineering. This course will introduce the student to central aspects of MIS policy and strategy in the first part of the course and then use these concepts to understand reengineering in the latter part of the course.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

MIS 347 Domestic and Global Outsourcing Management 4.0 Credits
To introduce the student to issues in managing the outsourcing of Information Systems. This will be done in a mixture of lectures and student team presentations. The lectures will introduce the students to some of the central themes of outsourcing IS by summarizing current literature. Parallel to these lectures students will form study teams to investigate other important topics of IS outsourcing through a guided literature reading.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

MIS 348 Visual Basic Database Programming for Business 4.0 Credits
To introduce Business students to the basic concepts of programming, object oriented thinking, and database programming in the context of business applications.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

MIS 349 Predictive Business Analytics with Relational Database Data 4.0 Credits
Data mining is about creating new information by examining datasets to identify patterns and unknown questions they relate to by applying data modeling and statistical tools. The objective of this course is to introduce students to data mining through Base Programming, applied statistics, and data visualization methods in SAS.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: (MIS 200 [Min Grade: D] or MIS 300 [Min Grade: D]) and (STAT 202 [Min Grade: D] or STAT 206 [Min Grade: D]) and MIS 343 [Min Grade: D]

MIS 350 Advanced Topics in Enterprise Application Software Using SAP 4.0 Credits
This course goes beyond the basics of enterprise resource planning (ERP) and explores some of the most advanced and timely topics of enterprise application software, such as Analytics / Business Intelligence, Cloud / On-Demand Computing, "Big Data" / In-Memory Computing and Mobile Applications. After completing this course, students will have a good understanding of many of the challenges facing corporate business and IT and how the latest SAP products provide solutions to these challenges.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: (MIS 200 [Min Grade: D] or MIS 300 [Min Grade: D]) and MIS 250 [Min Grade: D]

MIS 351 Introduction to Programming for Business in C# 4.0 Credits
This course is an introductory course to the process and tools necessary to build a complete information system given a specification. In this course, you will learn basic concepts and techniques in computer programming. This course selects Microsoft Visual Studio.Net and C# as the software development environment and programming language. This language and development system is a complete suite of tools for creating stand-alone applications, portions of larger systems, independent objects, complete distributed systems, and active components of the World Wide Web.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: MIS 200 [Min Grade: D] or MIS 300 [Min Grade: D]

MIS 352 Advanced Business Programming with ASP.Net 4.0 Credits
This course builds on the earlier Business Programming with ASP.NET course. Microsoft's ASP.NET is the major web application framework used to develop web-based business applications. This course introduces the student more advanced topics in business application development. In the earlier course, students learned how to build basic web-based applications using web forms, this course moves on to building application logic using C# and connecting to the back-end databases that store corporate data. Students who complete both sequence courses will have to ability to participate in building all components of Web-.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: (MIS 200 [Min Grade: D] or MIS 300 [Min Grade: D]) and MIS 351 [Min Grade: D]

MIS 361 Information System Project Management 4.0 Credits
The course is structured around the key phases of a project lifecycle – initiating a project, planning a project, executing a project, controlling a project, and closing out a project. It also pays specific attention to the nine knowledge areas of Project Management as defined by the Project Management Institute (PMI)'s Project Management Body of Knowledge (PMBOK): project scope, cost, time, integration, quality, communication, risk, human resources, and procurement management. Additionally, students will be introduced with choices in project management approaches (such as SAP Project Management and APM.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: MIS 200 [Min Grade: D] or MIS 300 [Min Grade: D]

MIS 481 Special Topics in Management Information Systems 1.0-4.0 Credit
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit
Restrictions: Can enroll if classification is Junior or Senior.

MIS 498 Special Topics in MIS 3.0 Credits
This course covers topics of particular interest to information systems students.
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit
Restrictions: Can enroll if classification is Junior or Senior.

MIS 499 Independent Study 1.0-4.0 Credit
Independent Study.
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit
Restrictions: Can enroll if classification is Junior or Senior.

Marketing

Bachelor of Science in Business Administration (BSBA): 180.0 quarter credits

About the Program

Marketing is one of the most dynamic areas of business because it focuses on satisfying the ever-changing wants and needs of people. Professional marketers research and identify target audiences, develop products and services, formulate pricing strategies, develop advertising and promotional campaigns, and implement methods of distribution so that customers receive products and services where and when they want them. Perhaps the most basic marketing skill is to be able to see an organization's activities from the customer's viewpoint.

A major in marketing prepares students for the many opportunities that exist in product and brand management, marketing research, advertising, digital marketing, customer analytics, retailing, channel management, logistics and physical distribution, professional personal selling and sales management, purchasing, wholesaling, marketing planning and analysis, public relations, marketing entrepreneurship, and new-product development. In combination with the commerce and engineering curriculum, this major prepares students to fill marketing positions that require a technical background.

For more information about the major, contact the Department of Marketing (http://www.lebow.drexel.edu/academics/disciplines/marketing).

Degree Requirements

Bachelor of Science in Business Administration (BSBA) Degree Requirements

General Education Requirements

ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
COM 270 [WI]	Business Communication	3.0
MATH 101	Introduction to Analysis I	4.0
MATH 102	Introduction to Analysis II	4.0
PHIL 105	Critical Reasoning	3.0
PSY 101	General Psychology I	3.0
UNIV B101 [WI]	The Drexel Experience	1.0
UNIV B201	Career Management	1.0
English literature elective ENGL 200 through ENGL 399		3.0
Fine Arts elective		3.0
History (HIST) elective		3.0
Select two of the following:		6.0
BIO 100	Applied Cells, Genetics & Physiology	
or BIO 101	Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	

General Education Electives

Students select seven (21.0 credits) general education electives, with a minimum of one course in each of the following three categories. Students take the remaining 12.0 credits from any of the topics listed under Additional General Education Electives.

Society and Culture	
Communication, English, Fine Arts, International Area Studies, Language or Philosophy	3.0
Social Science	
Anthropology, History, Sociology, Political Science, Psychology	3.0
Science	
Computer Science, Information Systems, Science	3.0

Additional General Education Electives

Twelve (12) credits must be earned by taking 4 courses from the following topics: Communication, English, Fine Arts, International Area Studies, Language, Philosophy, Anthropology, History, Sociology, Political Science, Psychology, Computer Science, Information Systems, Math, Science	12.0

Business Requirements

ACCT 115	Financial Accounting Foundations	4.0
ACCT 116	Managerial Accounting Foundations	4.0
BUSN 101	Foundations of Business I (Online students take BUSN 111)	4.0
BUSN 102	Foundations of Business II (Online students take BUSN 112)	4.0
BLAW 201	Business Law I	4.0
ECON 201	Principles of Microeconomics	4.0
ECON 202	Principles of Macroeconomics	4.0
FIN 301	Introduction to Finance	4.0
INTB 200	International Business	4.0
MGMT 450	Strategy and Competitive Advantage	4.0
MIS 200	Management Information Systems	4.0
MKTG 301	Introduction to Marketing Management	4.0
OPM 200	Operations Management	4.0
ORGB 300 [WI]	Organizational Behavior	4.0
STAT 201	Introduction to Business Statistics	4.0
Select one of the following:		4.0
BUSN 451	Business Consulting	
MGMT 260	Introduction to Entrepreneurship	
MGMT 451	Management Simulation	

STAT 202	Business Statistics II	
Major Requirements		
Eight required courses (See Major Requirements list below)		32.0
Free Electives		20.0
Total Credits		**180.0**

Marketing Major Required Course

MKTG 380	Seminar in Marketing Strategy	4.0
Select seven of the following:		28.0
MKTG 321	Selling and Sales Management	
MKTG 322	Advertising & Integrated Marketing Communications	
MKTG 324	Marketing Channels and Distribution Systems	
MKTG 326	Marketing Research	
MKTG 344	Professional Personal Selling	
MKTG 347	New Product Development	
MKTG 348	Services Marketing	
MKTG 351	Marketing for Non-Profit Organizations	
MKTG 353	Business-to-Business Marketing	
MKTG 355	Interactive Marketing	
MKTG 356	Consumer Behavior	
MKTG 357	Global Marketing	
MKTG 358	Transportation and Logistics	
MKTG 362	Brand and Reputation Management	
MKTG 364	Marketing for New Ventures	
Total Credits		**32.0**

Sample Plan of Study

Term 1		Credits
BUSN 101	Foundations of Business I	4.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
MATH 101	Introduction to Analysis I	4.0
UNIV B101 [WI]	The Drexel Experience	1.0
ECON 201	Principles of Microeconomics	4.0
	Term Credits	**16.0**
Term 2		
BUSN 102	Foundations of Business II	4.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
MATH 102	Introduction to Analysis II	4.0
ECON 202	Principles of Macroeconomics	4.0
	Term Credits	**15.0**
Term 3		
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
PSY 101	General Psychology I	3.0
General education elective		3.0
Society and culture course		3.0
ACCT 115	Financial Accounting Foundations	4.0
	Term Credits	**16.0**

Term 4		
History elective		3.0
STAT 201	Introduction to Business Statistics	4.0
ACCT 116	Managerial Accounting Foundations	4.0
Select one of the following		3.0
BIO 100 or 101	Applied Cells, Genetics & Physiology Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	
	Term Credits	**14.0**
Term 5		
BLAW 201	Business Law I	4.0
COM 270 [WI]	Business Communication	3.0
INTB 200	International Business	4.0
Select one of the following		3.0
CHEM 151	Applied Chemistry	
BIO 100 or 101	Applied Cells, Genetics & Physiology Applied Biological Diversity, Ecology & Evolution	
PHYS 151	Applied Physics	
	Term Credits	**14.0**
Term 6		
FIN 301	Introduction to Finance	4.0
MKTG 301	Introduction to Marketing Management	4.0
ORGB 300 [WI]	Organizational Behavior	4.0
ENGL 200 Through ENGL 399		3.0
	Term Credits	**15.0**
Term 7		
MIS 200	Management Information Systems	4.0
OPM 200	Operations Management	4.0
MKTG major course		4.0
Science or Computer Science elective		3.0
	Term Credits	**15.0**
Term 8		
PHIL 105	Critical Reasoning	3.0
Select one of the following:		4.0
BUSN 451	Business Consulting	
MGMT 260	Introduction to Entrepreneurship	
MGMT 451	Management Simulation	
STAT 202	Business Statistics II	
Free electives		4.0
MKTG major course		4.0
	Term Credits	**15.0**
Term 9		
MKTG major course		4.0
MKTG major course		4.0
General education elective		3.0
Free electives		4.0
	Term Credits	**15.0**
Term 10		
Fine arts elective		3.0
MGMT 450	Strategy and Competitive Advantage	4.0

MKTG major course		4.0
MKTG major course		4.0
	Term Credits	**15.0**
Term 11		
Free elective		4.0
UNIV B201	Career Management	1.0
MKTG 380	Seminar in Marketing Strategy	4.0
General education elective		3.0
Social science elective		3.0
	Term Credits	**15.0**
Term 12		
MKTG major course		4.0
General education elective		3.0
Free electives		8.0
	Term Credits	**15.0**

Total Credit: 180.0

Co-op/Career Opportunities

Marketing opportunities abound in all types of organizations — including manufacturing firms, wholesalers, retail stores, Internet firms, service organizations, banking and financial institutions, law and accounting firms, hospitals, colleges and universities, museums, chambers of commerce, professional sports teams, government agencies, charitable foundations, churches, and countless other settings. Any organization that seeks to reach a particular audience or consumer group needs the skills of marketers.

There are many specialized jobs in marketing, including product and brand managers, marketing researchers, advertising executives, pricing analysts, direct (non-store) marketers, Internet marketers, professional buyers, manufacturing agents, transportation and distribution managers, industrial and consumer salespeople, stockbrokers, sales managers, college enrollment managers, wholesalers, retailers, marketing planners, sales forecasters, marketing cost analysts, public relations managers, media and event planners, sales promotion managers, trade show or exhibit marketers, new product development managers, management consultants, digital marketers, and international marketers.

Co-op Experiences

When students complete their co-op jobs, they are asked to write an overview of their experiences. These brief quotes are taken from some recent student reports:

Marketing research assistant, manufacturing firm: "Assisted in the development of new products, which included gathering information concerning competitive products, markets, pricing. Conducted testing of new products. Assisted in special projects. . .gained good experience."

Retail analyst, producer of luxury home products: "Supported the sales and production divisions. Tracked weekly and monthly sales information. Developed product placement charts for forecasting. Assisted in maintaining productivity reports. Developed and presented a window treatment market analysis."

Activity-based management (ABM) analyst, pharmaceuticals manufacturer: "Supported the ABM team (5 people). Member of two sub-project teams. Maintained full participation on both sub-teams while still maintaining responsibilities on core team. Developed proficiencies in re-

engineering methodologies, activity-based costing methodologies, and support of change management. . .included as a full team member. "

Visit the Drexel Steinbright Career Development Center (http://www.drexel.edu/scdc) page for more detailed information on co-op and post-graduate opportunities.

Minor in Marketing

Requirements

- No more than 2 courses or 8.0 credits required by a student's major may be counted towards this minor.
- A grade of "C" (2.0) or better must be earned for each course in this minor for it to be counted.
- No more than two transfer courses may be used to complete this minor. Transfer credits must be taken before matriculated at Drexel.
- Students should check the pre-requisites of all classes when selecting electives. It is the responsibility of the student to know pre-requisites.
- Business administration and business & engineering students may complete any of the business minors, including: accounting, business, economics, entrepreneurship, finance, international economics, legal studies, management information systems, marketing, and operations & supply chain management.
- Cannot do a major and a minor in the same field of study.

All prospective students should meet with an advisor from the College as soon as possible. Call 215.895.2110 to set up an appointment.

Requirements		
MKTG 301	Introduction to Marketing Management	4.0
MKTG 380	Seminar in Marketing Strategy	4.0
Select four of the following:		16.0
MKTG 321	Selling and Sales Management	
MKTG 322	Advertising & Integrated Marketing Communications	
MKTG 324	Marketing Channels and Distribution Systems	
MKTG 326	Marketing Research	
MKTG 344	Professional Personal Selling	
MKTG 347	New Product Development	
MKTG 348	Services Marketing	
MKTG 351	Marketing for Non-Profit Organizations	
MKTG 353	Business-to-Business Marketing	
MKTG 355	Interactive Marketing	
MKTG 356	Consumer Behavior	
MKTG 357	Global Marketing	
MKTG 358	Transportation and Logistics	
MKTG 362	Brand and Reputation Management	
MKTG 364	Marketing for New Ventures	
MKTG 365	New Media Marketing	
MKTG 366	Customer Analytics	
Total Credits		**24.0**

Marketing Faculty

Rolph E. Anderson, PhD *(University of Florida) Royal H. Gibson Sr. Professor of Marketing.* Professor. Personal selling and sales

management; multivariate data analysis; customer relationship management (CRM); customer satisfaction and customer loyalty.

Trina Larsen Andras, PhD *(University of Texas at Austin) Head of the Department of Marketing; Academic Director, Center for Corporate Research Management.* Professor. International marketing, marketing channels management, cross-cultural communication.

Boryana Dimitrova, PhD *(Drexel University).* Assistant Clinical Professor. Global marketing, marketing channels, retailing and retail management.

Michaela Draganska, PhD *(Kellog School of Management, Northwestern University).* Associate Professor. Advertising strategy, product assortment decisions, new product positioning, distribution channels.

Lawrence Duke, MBA *(Harvard Business School).* Associate Clinical Professor. International marketing and strategy, new product development, business-to-business marketing, marketing of financial services.

Eleanor Feit, PhD *(University of Michigan).* Assistant Professor. Bayesian hierarchical models, interactive (eCommerce), marketing research and missing data.

Michael Howley, PhD *(Arizona State University).* Clinical Professor. Investments in dissatisfied customers, service recovery, health care marketing, marketing of service organizations, financial consequences of marketing actions.

Yanliu Huang, PhD *(The Wharton School, University of Pennsylvania).* Assistant Professor. Consumer n-store decision making, consumer planning, health marketing, memory and learning.

Daniel Korshun, PhD *(Boston University).* Associate Professor. Brand and corporate reputation management, corporate social responsibility, internal marketing, marketing strategy, relationship marketing.

Hyokjin Kwak, PhD *(University of Georgia) Department of Marketing.* Associate Professor. Advertising effects, consumer behaviors and e-commerce.

Bert Rosenbloom, PhD *(Temple University) Rauth Chair of Electronic Commerce.* Professor. Marketing channels and distribution systems, electronic commerce, interorganizational marketing management, wholesale and retail distribution, marketing strategy and planning.

Prashant Srivastava, PhD *(Oklahoma State University).* Associate Clinical Professor. New product development, supply chain management, B2B marketing, sales, strategic alliances, organizational learning, market orientation, healthcare marketing, and database marketing.

Rajneesh Suri, PhD *(University of Illinois at Urbana-Champaign).* Professor. Pricing, promotions and branding.

Srinivasan Swaminathan, PhD *(University of Texas-Austin).* Professor. Marketing research and strategy, pricing and promotions, loyalty and satisfaction.

An Tran, PhD *(University of Colorado--Boulder).* Assistant Clinical Professor. Intertemporal choice, the psychology of time and money, consumer planning, financial decision making.

Chen Wang, PhD *(University of British Columbia).* Assistant Professor. Consumer curiosity, self-regulation and goals and sensory perception.

Courses

MKTG 301 Introduction to Marketing Management 4.0 Credits
Provides a conceptual and applications-oriented framework for marketing decision-making in a dynamic environment. Emphasizes satisfying target customers and achieving organizational objectives through skillful blending of strategies in product development, pricing, promotion, and distribution.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman or Sophomore

MKTG 321 Selling and Sales Management 4.0 Credits
Covers planning, direction, and control of the personal selling activities of an organization, including recruiting, selecting, training, equipping, assigning, routing, supervising, compensating, motivating, leading, and evaluating a sales force.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: MKTG 301 [Min Grade: C-]

MKTG 322 Advertising & Integrated Marketing Communications 4.0 Credits
Examines advertising principles, techniques, technologies, and methods; artistic and creative aspects; psychological appeals; and production. Covers advertising and promotion management, including organization and planning, problems and strategies, media selection and evaluation, and agency-client relationships.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman or Sophomore
Prerequisites: MKTG 301 [Min Grade: C-]

MKTG 324 Marketing Channels and Distribution Systems 4.0 Credits
Examines philosophies, concepts, principles, and methods that must be employed to achieve maximum effectiveness and efficient.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman or Sophomore
Prerequisites: MKTG 301 [Min Grade: C-]

MKTG 326 Marketing Research 4.0 Credits
Applies analytical tools in the investigation of marketing problems. Emphasizes systematic research design, gathering, and interpretation of information for marketing decision-making.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman or Sophomore
Prerequisites: MKTG 301 [Min Grade: C-]

MKTG 344 Professional Personal Selling 4.0 Credits
Prepares students for business-to-business personal selling careers. Uses role-playing and experiential exercises to teach the latest strategies and tactics in prospecting and qualifying, planning sales calls, approaching prospects, making sales presentations, negotiating resistance, confirming and closing "win-win" agreements, and servicing customers to ensure satisfaction.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman or Sophomore
Prerequisites: MKTG 301 [Min Grade: C-]

MKTG 347 New Product Development 4.0 Credits
Analyzes the process of discovering new product opportunities and
creating new product ideas that are strategically sound. Covers demand
analysis, futuristics, new product strategy, creativity techniques, product
evaluation, interacting with research and development departments, and
developing a marketing plan.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman or Sophomore
Prerequisites: MKTG 301 [Min Grade: C-]

MKTG 348 Services Marketing 4.0 Credits
Covers marketing theory, concepts, strategy, and tactics as applied to
the unique characteristics and demands of service-oriented industries
such as health care, transportation, finance, law, consulting, education,
training, tourism, security, entertainment, and hospitality within a global
macroenvironment.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman or Sophomore
Prerequisites: MKTG 301 [Min Grade: C-]

MKTG 351 Marketing for Non-Profit Organizations 4.0 Credits
Applies the marketing concepts of product, price, promotion, distribution,
and benefit-cost maximization to the exchange relations of non-profit
organizations.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman or Sophomore
Prerequisites: MKTG 301 [Min Grade: C-]

MKTG 353 Business-to-Business Marketing 4.0 Credits
Covers practices, strategies, and managerial problems in marketing and
distributing industrial products and services to the industrial customer;
procurement and sales practices; and cost and price analysis.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman or Sophomore
Prerequisites: MKTG 301 [Min Grade: C-]

MKTG 355 Interactive Marketing 4.0 Credits
Addresses the principles, techniques, and methods of direct, interactive
marketing in an era of emerging global technologies. Emphasizes field
work, projects, and presentations.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: MKTG 301 [Min Grade: C-]

MKTG 356 Consumer Behavior 4.0 Credits
Applies contemporary behavioral science to consumer decision-making,
including the relationship between the efforts of business firms in
marketing their products and the reactions of ultimate consumers.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman or Sophomore
Prerequisites: MKTG 301 [Min Grade: C-]

MKTG 357 Global Marketing 4.0 Credits
Examines international involvement of companies from exporting to
the multinational enterprise stage. Covers the nature of international
competition; distribution systems; pricing and credit policies; promotional
methods; trade barriers and agreements; and the cultural, political, legal,
ethical, and technological barriers.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Cannot enroll if classification is Freshman or Sophomore
Prerequisites: MKTG 301 [Min Grade: C-]

MKTG 362 Brand and Reputation Management 4.0 Credits
The course focuses on the strategic management of product and
organization brands, both corporate and non-profit, and how one can build
brands that are highly distinguished reputationally to enhance financial
value, attract and keep top talent and build relationships with customers,
communities, and other key stakeholders.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: MKTG 301 [Min Grade: C-]

MKTG 363 Brand & Reputation Management Project 1.0 Credit
Analysis of a "real world" organization's corporate brand and reputation
management. Topic and scope must be approved by the Academic
Director of the Center for Corporate Reputation Management. The
integrative experience required for completion of the Certificate in
Corporate Brand and Reputation Management.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Can enroll if classification is Senior.
Prerequisites: MKTG 301 [Min Grade: C-] and MKTG 362 [Min Grade: D]
and MKTG 322 [Min Grade: D] and COM 280 [Min Grade: D]

MKTG 364 Marketing for New Ventures 4.0 Credits
Examines the unique marketing challenges faced by entrepreneurs
launching new products and/or services. Topics include: designing new
offerings, targeting customer segments, and marketing on a tight budget.
The course is designed to be useful for small business owners, managers
at large companies, and social entrepreneurs.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: MKTG 301 [Min Grade: D]

MKTG 365 New Media Marketing 4.0 Credits
Marketing practices have dramatically shifted with the rise of social
media & the proliferation of devices, platforms & applications. This
rapidly changing environment presents new opportunities & challenges
for marketers. Through a combination of case studies, best practice
examples, & the development of social & digital media marketing plans,
students learn how the elements of a digital strategy work together with
traditional media to attract prospective customers.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: MKTG 301 [Min Grade: C-]

MKTG 366 Customer Analytics 4.0 Credits
Customer analytics is about applying (often simple) models to understand and predict customer behavior. Firms have access to more information about their customers than ever before. But data alone should not be confused for knowledge. The role of the model is to summarize patterns and generate predictions of customer behavior in the future. We will use simple models from probability theory and stochastic processes as a lens through which to view customer behavior.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: STAT 201 [Min Grade: C-] or STAT 205 [Min Grade: C-]

MKTG 380 Seminar in Marketing Strategy 4.0 Credits
Builds upon marketing concepts learned in other courses and presents an integrated approach to marketing strategy. Uses a number of real-life cases and requires students to work in groups and make project presentations.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Can enroll if classification is Senior.
Prerequisites: MKTG 301 [Min Grade: C-]

MKTG 498 Special Topics in Marketing 1.0-12.0 Credit
This course covers topics of particular interest to marketing students.
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit
Prerequisites: MKTG 301 [Min Grade: C-]

MKTG 499 Independent Study 0.5-6.0 Credits
Independent Study.
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit

Operations & Supply Chain Management

Bachelor of Science in Business Administration (BSBA): 180.0 quarter credits

About the Program

The major in operations and supply chain management is designed to prepare students for eventual participation as managers or specialists in the operations activity of industrial and service systems.

Operations and supply chain management stresses a thorough knowledge of the rapidly accumulating analytical techniques in systems analysis, in addition to a full appreciation of all other phases of business.

With the proper choice of electives, this program also prepares students for graduate studies in industrial management, industrial engineering, management science, or operations research.

Additional Information

For additional information about the program, students should contact the Department of Decision Sciences (http://www.lebow.drexel.edu/Faculty/Departments/Decision) .

Degree Requirements

Bachelor of Science in Business Administration (BSBA) Degree Requirements

General Education Requirements

ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
COM 270 [WI]	Business Communication	3.0
MATH 101	Introduction to Analysis I	4.0
MATH 102	Introduction to Analysis II	4.0
PHIL 105	Critical Reasoning	3.0
PSY 101	General Psychology I	3.0
UNIV B101 [WI]	The Drexel Experience	1.0
UNIV B201	Career Management	1.0
English literature elective ENGL 200 through ENGL 399		3.0
Fine Arts elective		3.0
History (HIST) elective		3.0
Select two of the following:		6.0
BIO 100	Applied Cells, Genetics & Physiology	
or BIO 101	Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	

General Education Electives

Students select seven (21.0 credits) general education electives, with a minimum of one course in each of the following three categories. Students take the remaining 12.0 credits from any of the topics listed under Additional General Education Electives.

Society and Culture	
Communication, English, Fine Arts, International Area Studies, Language or Philosophy	3.0
Social Science	
Anthropology, History, Sociology, Political Science, Psychology	3.0
Science	
Computer Science, Information Systems, Science	3.0

Additional General Education Electives

Twelve (12) credits must be earned by taking 4 courses from the following topics: Communication, English, Fine Arts, International Area Studies, Language, Philosophy, Anthropology, History, Sociology, Political Science, Psychology, Computer Science, Information Systems, Math, Science	12.0

Business Requirements

ACCT 115	Financial Accounting Foundations	4.0
ACCT 116	Managerial Accounting Foundations	4.0
BUSN 101	Foundations of Business I (Online students take BUSN 111)	4.0
BUSN 102	Foundations of Business II (Online students take BUSN 112)	4.0
BLAW 201	Business Law I	4.0
ECON 201	Principles of Microeconomics	4.0
ECON 202	Principles of Macroeconomics	4.0
FIN 301	Introduction to Finance	4.0

INTB 200	International Business	4.0
MGMT 450	Strategy and Competitive Advantage	4.0
MIS 200	Management Information Systems	4.0
MKTG 301	Introduction to Marketing Management	4.0
OPM 200	Operations Management	4.0
ORGB 300 [WI]	Organizational Behavior	4.0
STAT 201	Introduction to Business Statistics	4.0
Select one of the following:		4.0
BUSN 451	Business Consulting	
MGMT 260	Introduction to Entrepreneurship	
MGMT 451	Management Simulation	
STAT 202	Business Statistics II	
Major Requirements		
Eight required courses (See Major Requirements list below)		32.0
Free Electives		20.0
Total Credits		**180.0**

Operations and Supply Chain Management Major Requirements

OPM 315	Service Operations Management	4.0
OPR 320	Linear Models for Decision Making	4.0
OPM 321	Planning and Control of Operations	4.0
OPM 325	Advanced Planning and Control of Operations	4.0
OPM 341	Supply Chain Management	4.0
Select three of the following:		12.0
OPR 330	Advanced Decision Making and Simulation	
STAT 325	Six-Sigma Quality Implementation	
STAT 331	Introduction to Data Mining for Business	
STAT 335	Introduction to Experimental Design	
Total Credits		**32.0**

Sample Plan of Study

Term 1		Credits
BUSN 101	Foundations of Business I	4.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
MATH 101	Introduction to Analysis I	4.0
UNIV B101 [WI]	The Drexel Experience	1.0
ECON 201	Principles of Microeconomics	4.0
	Term Credits	**16.0**
Term 2		
BUSN 102	Foundations of Business II	4.0
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3.0
MATH 102	Introduction to Analysis II	4.0
ECON 202	Principles of Macroeconomics	4.0
	Term Credits	**15.0**
Term 3		
ACCT 115	Financial Accounting Foundations	4.0
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across Genres	3.0
PSY 101	General Psychology I	3.0

Social science course[*]		3.0
Society and culture course[*]		3.0
	Term Credits	**16.0**
Term 4		
STAT 201	Introduction to Business Statistics	4.0
ACCT 116	Managerial Accounting Foundations	4.0
History elective		3.0
Select one of the following:		3.0
BIO 100 or 101	Applied Cells, Genetics & Physiology Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	
	Term Credits	**14.0**
Term 5		
COM 270 [WI]	Business Communication	3.0
BLAW 201	Business Law I	4.0
INTB 200	International Business	4.0
Select one of the following:		3.0
BIO 100 or 101	Applied Cells, Genetics & Physiology Applied Biological Diversity, Ecology & Evolution	
CHEM 151	Applied Chemistry	
PHYS 151	Applied Physics	
	Term Credits	**14.0**
Term 6		
MIS 200	Management Information Systems	4.0
MKTG 301	Introduction to Marketing Management	4.0
OPM 200	Operations Management	4.0
ENGL 200 Through ENGL 399		3.0
	Term Credits	**15.0**
Term 7		
FIN 301	Introduction to Finance	4.0
ORGB 300 [WI]	Organizational Behavior	4.0
Science or Computer Science elective[*]		3.0
Free elective		4.0
	Term Credits	**15.0**
Term 8		
OPM 321	Planning and Control of Operations	4.0
OPR 320	Linear Models for Decision Making	4.0
PHIL 105	Critical Reasoning	3.0
Free elective		4.0
	Term Credits	**15.0**
Term 9		
OPM 315	Service Operations Management	4.0
OPM 325	Advanced Planning and Control of Operations	4.0
General Education Elective[*]		3.0
Free Elective		4.0
	Term Credits	**15.0**
Term 10		
UNIV B201	Career Management	1.0
Operations & Supply Chain Mgmt major course		4.0

Select one of the following: 4.0

    BUSN 451   Business Consulting

    MGMT 260 Introduction to Entrepreneurship

    MGMT 451 Management Simulation

    STAT 202   Business Statistics II

General education electives[*]   3.0

General education electives   3.0

	Term Credits	**15.0**

Term 11

Operations & Supply Chain Mgmt major course   4.0

MGMT 450   Strategy and Competitive Advantage   4.0

General education elective[*]   3.0

Free elective   4.0

	Term Credits	**15.0**

Term 12

Operations & Supply Chain Mgmt major course   4.0

OPM 341   Supply Chain Management   4.0

Fine arts elective   3.0

Free electives   4.0

	Term Credits	**15.0**

Total Credit: 180.0

[*]   See degree requirements.

Co-op/Career Opportunities

Many production and operation management students go on to work in a variety of fields, including manufacturing, product planning and research and development.

When students complete their co-op jobs, they are asked to write an overview of their experiences. These brief quotes are taken from some recent student reports:

Manufacturing engineering co-op, corporate setting: "Developed manufacturing projects, procedures, and documentation in assisting (with International Standards Organization) certification. The best feature of the job was the chance to work within a manufacturing plant and witness the accomplishments and setbacks that can and will occur in all manufacturing jobs. "
Meter operation co-op, major utility company: "Coordinated customer demand survey. Gathered and analyzed statistics pertaining to the water usage of residential, industrial, and commercial customers. . . .Management in department was excellent; very supportive."
Visit the Drexel Steinbright Career Development Center (http://www.drexel.edu/scdc) page for more detailed information on co-op and post-graduate opportunities.

Minor in Operations Management

Requirements

- No more than 2 courses or 8.0 credits required by a student's major may be counted towards this minor.
- A grade of "C" (2.0) or better must be earned for each course in this minor for it to be counted.

- No more than two transfer courses may be used to complete this minor. Transfer credits must be taken before matriculated at Drexel.
- Students should check the pre-requisites of all classes when selecting electives. It is the responsibility of the student to know pre-requisites.
- Business administration and business & engineering students may complete any of the business minors, including: accounting, business, economics, entrepreneurship, finance, international economics, legal studies, management information systems, marketing, and operations & supply chain management.
- Cannot do a major and a minor in the same field of study.

All prospective students should meet with an advisor from the College as soon as possible. Call 215.895.2110 to set up an appointment.

Required Courses

BUSN 111	Foundations for Business	4.0
OPM 200	Operations Management	4.0
OPR 320	Linear Models for Decision Making	4.0
STAT 201	Introduction to Business Statistics	4.0
Select two of the following:		8.0
OPM 315	Service Operations Management	
OPM 321	Planning and Control of Operations	
OPM 325	Advanced Planning and Control of Operations	
STAT 301	Applied Statistical Models for Business	
STAT 325	Six-Sigma Quality Implementation	
Total Credits		**24.0**

Additional Information

For additional information about the program, students should contact the Department of Decision Sciences (http://www.lebow.drexel.edu/Faculty/Departments/Decision) .

Facilities

Decision Sciences Faculty

Pramod Abichandani, PhD *(Drexel University)*. Assistant Teaching Professor. Optimal, multi-dimensional, data-driven decision-making, through the use of techniques from mathematical programming, linear and nonlinear systems theory, statistics, and machine learning.

Edward Arnheiter, PhD *(University of Massachusetts, Amherst) Department of Decision Sciences.* Clinical Professor. Quality implementation and management, supply chain, statistical quality control, six sigma.

Avijit Banerjee, PhD *(The Ohio State University) Department of Decision Sciences.* Professor. Supply chain management; operations planning and scheduling; inventory control.

Hande Yurttan Benson, PhD *(Princeton University) Department of Decision Sciences.* Associate Professor. Nonlinear optimization, interior-point methods.

Oben Ceryan, PhD *(University of Michigan Ann Arbor) Department of Decision Sciences.* Assistant Professor. Pricing revenue management; inventory control; production planning and control supply chain management.

Neil Desnoyers, MS *(Drexel University) Department of Decision Sciences.* Assistant Clinical Professor. Decision sciences.

Seung-Lae Kim, PhD *(Penn State University) Department of Decision Sciences.* Professor. Production planning and control; inventory control; Just-In-Time (JIT) and Supply Chain Management (SCM).

Benjamin Lev, PhD *(Case Western Reserve University) Department Head, Department of Decision Sciences.* Professor. Operations research/ management science, statistics, applications, engineering management.

Merrill W. Liechty, PhD *(Duke University).* Associate Clinical Professor. Bayesian statistics, portfolio selection, higher moment estimation.

Arunkumar Madapusi, PhD *(University of North Texas Denton) Department of Decision Sciences.* Assistant Clinical Professor. Manufacturing technology development; quality management; supply chain management; interface with information systems.

Hazem Diab Maragah, PhD *(Louisiana University) Department of Decision Sciences.* Associate Professor. Statistical quality control, total equity management, applied statistics.

Bruce D. McCullough, PhD *(University of Texas).* Professor. Applied econometrics; reliability of statistical and econometric software; business data mining.

Thomas P. McWilliams, PhD *(Stanford University) Department of Decision Sciences.* Professor. Statistical quality control; sequential analysis.

Fariborz Y. Partovi, Ph.D. *(The Wharton School, University of Pennsylvania) Department of Decision Sciences.* Professor. The use of analytical hierarchy process and quality function deployment for strategic decisions in manufacturing and service organizations.

Wenjing Shen, PhD *(University of Michigan).* Assistant Professor. The interface of operations management and marketing; inventory management; supply chain management.

Min Wang, PhD *(Columbia University) Department of Decision Sciences.* Assistant Professor.

Emeritus Faculty

Robert E. Laessig, PhD *(Cornell University) Department of Decision Sciences.* Professor Emeritus. Management systems integration.

Courses

OPM 200 Operations Management 4.0 Credits
Provides students with an understanding of the transformation process, which converts inputs into outputs. This is the primary function of every manufacturing/service organization, and how it adds value to the outputs. Discusses the decision-making process and techniques for planning and controlling the operations function.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

OPM 315 Service Operations Management 4.0 Credits
Analyze service systems from the viewpoint of the operations manager to understand where and in what ways the body of knowledge developed in operations management, strategy, and marketing can be applied and where other approaches are necessary. Focus on understanding what customers want, designing systems and procedures delivering services, and controlling quality.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

OPM 321 Planning and Control of Operations 4.0 Credits
The course objective is to provide students with an understanding of managerial concepts and quantitative tools required in the design and operation of manufacturing/service systems. This course examines strategic planning decision problems, such as capacity planning, facility planning, locations decision, work/job design, and project management from the perspective of a production/operations manager of a business organization.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: STAT 205 [Min Grade: D] or STAT 201 [Min Grade: D]

OPM 325 Advanced Planning and Control of Operations 4.0 Credits
This course focuses on the medium to short-term managerial decision processes and models within the realm of the operations function of manufacturing and service organizations. Topics covered include time series forecasting, aggregate planning, materials management, operations and staff scheduling, and statistical quality control.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: OPM 321 [Min Grade: D] and OPR 320 [Min Grade: D]

OPM 341 Supply Chain Management 4.0 Credits
Presents and explains the concepts, insights, practical tools and decision support systems that are important for the effective managements of supply chains. Long-term strategic design issues, shorter-term tactical and operational issues are closely examined. State-of-the-art concepts of globally optimal decision making, often across traditional organizational boundaries are emphasized.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: OPM 325 [Min Grade: D]

OPM 481 Special Topics in Operations Management 0.5-12.0 Credits
This course covers topics of particular interest to students in operations management. May be repeated three times for credit.
College/Department: LeBow College of Business
Repeat Status: Can be repeated 3 times for 12 credits

OPM 499 Independent Study in Operations Management 0.5-12.0 Credits
Independent Study.
College/Department: LeBow College of Business
Repeat Status: Can be repeated 3 times for 12 credits

Certificate in Social Responsibility in Business

Certificate Level: Undergraduate
Admission Requirements: Current Drexel students only

Certificate Type: Certificate
Number of Credits to Completion: 15.0
Instructional Delivery: Campus
Calendar Type: Quarter

Through course work, civic engagement and related co-op experience, the Certificate in Social Responsibility in Business provides a well-rounded look at corporate social responsibility, giving students a unique perspective on ethical leadership in the business community. The certificate program encourages students to seek co-op experience and positions after graduation with firms committed to acting with social responsibly.

Program Requirements

In conjunction with the Center for Civic Engagement (http://www.drexel.edu/CCE) , students initiate and complete a socially focused winter break or spring break project during any one term/break. The scope of the project entails civic responsibility and focuses on business applications. An example would be to assist in the preparation of income tax forms for under privileged Philadelphia residents. This project is in addition to requirements of the University 101 course.

Student will use their My LIFE e-portfolios to retain reflections and relevant writings from each of the required courses.

Coordinated with the Center for Civic Engagement, students will complete a minimum of sixty hours (60) of civic engagement while a student at Drexel University.

Students are required to earn a minimum of "C" in the following required courses, and a "B" average over all the courses.

Required Courses *

ANTH 101	Introduction to Cultural Diversity	3.0
BUSN 103	Advanced First Year Business Seminar	2.0
SOC 115	Social Problems	3.0
SOC 210	Race and Ethnic Relations	3.0
PHIL 301	Business Ethics	3.0
UNIV 101	The Drexel Experience	1.0
Total Credits		**15.0**

* In addition to these required courses, BUSN 451 Business Consulting is strongly recommended, but not required to complete the certificate.

LeBow College of Business

About the College

LeBow College of Business (http://www.lebow.drexel.edu) is among just 25 percent of business schools nationwide accredited by AACSB-- Association to Advance Collegiate Schools of Business. Drexel LeBow offers one MBA degree delivered in different formats – face-to-face or online, part-time or full-time, and at a satellite campuses in Malvern, PA. Additionally, the Drexel LeBow MBA offers several fields of concentration within the MBA: finance, marketing, entrepreneurship/innovation, business analytics and healthcare management. Options include:

- **Full-Time**: one-year MBA and traditional two-year MBA
- **Part-time**: LEAD (an accelerated MBA), the flexible professional MBA, and executive MBA.
- **Online**: MBA Anywhere and MBA in healthcare management

Prospective students to the Drexel LeBow MBA programs are not required to have undergraduate degrees in business.

In addition to MBA programs, Drexel LeBow offers MS degrees in accounting, business analytics, economics, finance and leadership.

Majors

- Accounting (MS)
- Business Administration (PhD)
- Business Administration (MBA)
  - Executive Program
  - Concentrations
- Business Analytics (MS)
- Economics (MS, PhD)
- Finance (MS)
- Leadership (MS)

Certificates

- Advanced Business
- Leadership

About the Curriculum

Graduate business programs at Drexel University's LeBow College of Business provide a high-quality education that blends theory and practice. Students receive individualized attention to help them achieve short-term and long-term career goals.
The Drexel LeBow MBA enrolls approximately 800 students representing diverse backgrounds, 20 percent of whom are enrolled full-time. Approximately 50 percent of the full-time students are international. Drexel LeBow MBA students have come from more than 40 countries in Asia, Europe, South America and Canada.

The part-time MBA programs account for 60 percent of the enrolled students with another 20 percent enrolled in online MBA programs.

Following in the mission of the University's founder, A.J. Drexel, to provide practical applications of learning, the Drexel LeBow faculty have backgrounds in corporate management and scholarly research. Drexel LeBow faculty combine strengths in teaching and research. They also enjoy strong ties with the corporate community. Corporate and entrepreneurial leaders add to the full-time faculty by coming to campus as guest lecturers or as adjunct professors.

Centers and Facilities

This marriage of academic rigor and practical applications can also be seen in the development of the school's Centers of Excellence. Centers of Excellence are catalysts for research and innovation, think tanks for nationally significant trends and issues, and incubators for opportunities in business and integration among disciplines. LeBow's Centers of Excellence provide students with meaningful experiential learning and impact the performance of business in our region and around the world. As part of the curriculum Drexel LeBow MBA students will take courses which reside in the centers and will see firsthand how practical learning is applied.
The Centers are:

- Center for Corporate Reputation Management (https://www.lebow.drexel.edu/academics/centers/corporate-reputation-management)
- Sovereign Institute for Strategic Leadership (https://www.lebow.drexel.edu/academics/centers)
- Center for Corporate Governance (https://www.lebow.drexel.edu/academics/centers/corporate-governance)
- Dana and David Dornsife Center for Experiential Learning (https://www.lebow.drexel.edu/academics/centers/experiential-learning)

Facilities

In fall 2013, LeBow College opened its 12-story, Gerri C. LeBow Hall, with a finance trading lab, behavioral studies lab and integrated teaching technology in all classrooms. The new building features two lecture halls, 15 classrooms of varying sizes and seating configurations, including case study rooms and cluster classrooms designed to facilitate group work. Other amenities consist of extensive areas of student spaces, including 12 collaboration rooms, two quiet study areas, and 3,500 square feet of student lounges. Gerri C. LeBow Hall brings together faculty, students and staff, in a state of the art building on the University City campus.

Certificate in Advanced Business

Certificate Level: Post-graduate
Admission Requirements: Master's degree or higher
Certificate Type: Post-Master's Certificate
Number of Credits to Completion: 12.0
Instructional Delivery: Campus, Online, Hybrid
Calendar Type: Quarter
Expected Time to Completion: 3 years
Financial Aid Eligibility: Not aid eligible

The Drexel LeBow Advanced Business Certificate (ABC) program is available to applicants possessing an earned master's degree or doctoral degree from a fully accredited university or college. The program is designed to permit qualified candidates the opportunity to update their skills in a professional field of specialization in which they have had previous academic experience, or to acquire competence in a new business discipline.

The post-master's ABC program requires completion of a four-course sequence and may include the following specialization areas:

- business analytics
- entrepreneurship
- finance
- leadership
- marketing
- or a customized certificate option

The ABC program is administered through the Corporate and Executive Education Center (http://www.lebow.drexel.edu/resources/admissions/ continuing-professional-education) at Drexel University's LeBow College of Business. Participants in this part-time certificate program have a three-year timeframe within which to complete the certificate requirements. ABC students are enrolled in courses in Drexel LeBow MBA sections (pending availability). No additional sections are created for this certificate program.

Upon acceptance to the ABC program, students will meet with an advisor to review program/course prerequisites (if applicable), select courses, and finalize the certificate programs options. Sample course sequences in the specialization areas are listed below.

The ABC program does not lead to a degree, and the credits earned in the program are not applicable to any current or future degree program offered by Drexel University, unless all applicable entrance criteria for the anticipated program are met.

Certificate Requirements

After completing the four-course series, students will receive a Certificate of Professional Development. Continuing Education Units (CEU) credits and/or Continuing Professional Educational (CPE) credits may be applicable.

For further ABC information, including how to apply to the program, contact the Corporate and Executive Education Center:
215.895.0578
executive@drexel.edu

Sample Sequences

All sample sequences are subject to change based on availability and individual student academic and professional background.

12.0 quarter credits

Sample Business Analytics sequence:

STAT 601	Business Statistics	3.0
FIN 642	Business Conditions and Forecasting	3.0
MIS 632	Database Analysis and Design for Business	3.0
STAT 698	Special Topics (Data Mining)	3.0
Sample Entrepreneurship sequence:		
FIN 635	Entrepreneurial Finance	3.0
MGMT 650	Corporate Venturing	3.0
MGMT 652	New Venture Planning	3.0
MKTG 654	Corporate Brand & Reputation Management	3.0
Sample Finance sequence:		
FIN 601	Corporate Financial Management	3.0
FIN 602	Advanced Financial Management	3.0
FIN 640	Mergers and Acquisitions	3.0

FIN 610	Corporate Governance	3.0
Sample Leadership sequence:		
MGMT 602	Managing Technology Innovation	3.0
MGMT 780	Strategic Management	3.0
ORGB 625	Leadership and Professional Development	3.0
ORGB 631	Leading Effective Organizations	3.0
Sample Marketing sequence:		
MKTG 601	Marketing Strategy & Planning	3.0
MKTG 622	Buyer Behavior Theory	3.0
MKTG 634	Integrated Marketing Communications Management	3.0
MKTG 638	New Product Planning, Strategy, and Development (Sample Business Analytics sequence)	3.0

Certificate in Leadership

Certificate Level: Graduate/Post-graduate
Admissions Requirements: Bachelor's degree or higher
Certificate Type: Graduate
Number of Credits to Completion: 12.0
Instructional Delivery: Campus, Online, Hybrid
Calendar Type: Quarter
Expected Time to Completion: 3 years
Financial Aid Eligibility: Not aid eligible

The coursework in this certificate offers students multiple perspectives of leadership, which include leadership of self, groups and of organizations. Through the coursework, opportunities are also provided to enhance persuasion and negotiations skills, as well as to develop and implement technological change.

The coursework in this certificate offers students multiple perspectives of leadership, which include leadership of self, groups and of organizations.

Requirements		
MGMT 602	Managing Technology Innovation	3.0
ORGB 625	Leadership and Professional Development	3.0
ORGB 631	Leading Effective Organizations	3.0
ORGB 640	Negotiations for Leaders	3.0
Total Credits		**12.0**

Economics

About the Program

Economics is at the root of business decisions, government policy making and global relations. As a course of study, it can lead to diverse career opportunities. A degree in economics provides students with a robust understanding of the workings of the market system and major economic institutions, economic policy, and development. The Economics Department boasts an award-winning group of faculty members who are leading researchers and dedicated teachers. The world-renowned faculty members take a hands-on approach to teaching, research and mentoring students.

Two graduate programs in economics are currently offered:

- Master of Science in Economics (https://nextcatalog.drexel.edu/ graduate/collegeofbusiness/economics/#aboutthemsprogramtext)

- Doctor of Philosophy in Economics (https://nextcatalog.drexel.edu/graduate/collegeofbusiness/economics/#aboutthephdprogramtext)

About the Masters Program

Master of Science: 45.0 credits

The Master of Science program in Economics at Drexel University integrates training in core economics, rigorous quantitative methods and policy analysis. It prepares students for a career in industry, the financial sector, government or international organizations. The program also provides the necessary knowledge and the analytical skills to the students wishing to pursue a PhD degree in related areas.

Admission Requirements/Financial Aid

The LeBow College of Business seeks applicants with exceptional ability and motivation. Students who hold a bachelor's degree, either in economics or another discipline, may apply to the MS program. All courses in the program expect a preparation of at least principles of economics and basic statistics. Students who lack some part of this preparation may be considered for admission conditional on their completing the appropriate undergraduate courses as non-matriculated students during the summer term before they begin the program in the fall.

In reviewing an applicant's credentials, the faculty will consider the following factors:

- **Prior Academic Accomplishments:** The faculty will examine all course work taken prior to application, paying particular attention to the specific courses that have been completed. Applicants should have attained a minimum grade point average of 3.0 (on a 4.0 scale) for all undergraduate course work completed.
- **Graduate Record Examination (GRE) or Graduate Management Aptitude Test (GMAT):** Applicants are required to submit GRE or GMAT scores. Scores of more than five years old are not accepted.
- **Test of English as a Foreign Language (TOEFL):** Applicants whose native language is not English and who have not already received a degree from a U.S. university must also submit scores from the Test of English as a Foreign Language (TOEFL).
- **Personal Statement/Essay:** Each applicant must submit a personal statement. The personal statement should explain the applicant's educational and personal experiences that have influenced the decision to pursue an MS and should discuss the candidate's career plans and goals.
- **Letters of Recommendation:** Two letters of recommendation must be submitted in support of the application. Applicants are strongly encouraged to seek recommendations from academics or other professionals who can assess the applicant's likelihood of success in the MS program.

Admission Procedures
The MS in Economics program admits students each fall. To be considered for admission, the completed application must be received by the LeBow College of Business Office of Graduate Admissions. Admissions are considered on a rolling basis and will remain open until all available slots are filled. It is the applicant's responsibility to ensure that all transcripts, test scores and letters of recommendation, as well as the application form and the personal statement, are received by LeBow College Business, School of Economics.
Graduate Assistantships and Financial Aid

Financial assistance for the MS program may be available on a limited basis to highly qualified candidates.
Research Assistantships and Teaching Assistantships may be also be available on a limited basis for highly qualified candidates.

To obtain an application, please contact:

Graduate Admissions Office
Bennett S. LeBow College of Business
Drexel University
3141 Chestnut Street
Philadelphia, PA 19104-2875
215.895.6804
msecon@lebow.drexel.edu

Master of Science in Economics

This program offers a number of options for students with different backgrounds and aspirations. The main component provides an industry and public policy emphasis that will enable students to apply economic methodology in government and private sector careers. For students who aspire to a PhD in economics or to work in economic research, the program provides options to obtain the needed rigorous training in advanced theory. Completion of the degree requires 45.0 credits.

Degree Requirements

Core Requirements

Select one course from each of the following sets:		
ECON 548	Mathematical Economics	3.0
or ECON 902	Mathematical Economics	
ECON 550	Econometrics	3.0
or ECON 940	Econometrics I	
ECON 560	Time Series Econometrics	3.0
or ECON 941	Econometrics II	
ECON 610	Microeconomics	3.0
or ECON 910	Advanced Microeconomics I	
ECON 614	Macroeconomics	3.0
or ECON 920	Advanced Macroeconomics I	
STAT 601	Business Statistics	3.0
or STAT 931	Statistics for Economics	

Economics electives [*]

Complete 18.0 additional credits from the following:		18.0
ECON 601	Managerial Economics	
ECON 616	Public Finance and Cost Benefit Analysis	
ECON 630	International Economics	
ECON 634	History of Economic Analysis	
ECON 639	Applied Industrial Analysis	
ECON 650	Business & Economic Strategy: Game Theory & Applications	
ECON 661	Health Economics	
ECON 662	Economic Analysis of Health Systems	
ECON 698	Special Topics	
ECON 700	Seminar	
ECON 902	Mathematical Economics	
ECON 910	Advanced Microeconomics I	
ECON 911	Advanced Microeconomics II	
ECON 920	Advanced Macroeconomics I	

ECON 921	Advanced Macroeconomics II
ECON 925	Macroeconomic Dynamics
ECON 940	Econometrics I
ECON 941	Econometrics II
ECON 942	Applied Microeconometrics
ECON 950	Industrial Organization I
ECON 951	Industrial Organization II
ECON 959	Industrial Organization Seminar
ECON 960	International Trade
ECON 961	Empirical International Trade
ECON 962	Open Economy Macroeconomics
ECON 969	International Trade Seminar
ECON 979	Open Economy Macro Seminar
ECON 980	Game Theory
INTB 632	Economic Analysis of Multinational Corporations
STAT 931	Statistics for Economics

Business electives

Complete 9 additional credits from the list of Economics electives or the list below:		9.0
BLAW 605	Legal Options in Decision Making	
BLAW 620	Legal Aspects of Employment	
BLAW 630	Government and Business	
BUSN 505 & BUSN 506	Financial Performance of the Firm - Accounting and Financial Performance of the Firm - Finance	
BUSN 615	Graduate Internship	
FIN 601	Corporate Financial Management	
FIN 602	Advanced Financial Management	
FIN 622	Financial Institutions & Markets	
FIN 635	Entrepreneurial Finance	
FIN 640	Mergers and Acquisitions	
FIN 648	International Financial Management	
MKTG 630	Global Marketing	
MGMT 602	Managing Technology Innovation	
OPR 601	Managerial Decision Models and Simulation	
OPR 620	Operations Research I	
OPR 622	Operations Research II	
OPR 624	Advanced Mathematical Program	
STAT 622	Statistical Decision Theory I	
STAT 624	Statistical Decision Theory II	
STAT 626	Statistical Sampling	
Total Credits		**45.0**

* Students who complete ECON 911, ECON 921 and ECON 941 may take the following courses during their second year provided they have the required prerequisites and approval from the Program Coordinator: ECON 925, ECON 942, ECON 950, ECON 951, ECON 959, ECON 960, ECON 961, ECON 962, ECON 969, ECON 979

About the PhD Program

Doctor of Philosophy: 60.0 credits (Post-Master's degree)
Doctor of Philosophy: 90.0 credits (Post-Bachelor's degree)

Drexel's PhD program in Economics prepares economists for academic research as well as careers in government or industry by providing a solid background in economic theory, quantitative analysis, and analytical tools at the advanced level. Each year a relatively small number of PhD students are accepted into the program, which allows for a collegial environment where the PhD students interact with faculty on a daily basis. Requirements for the MS in Economics program are satisfied if the coursework associated with the first and second years of the PhD program are complete.

The PhD program in Economics offers three fields of study:

- industrial organization
- international trade
- open economy macroeconomics

The PhD program in Economics is also particularly strong in applied microeconometrics.

Students typically complete their coursework in two years and the PhD degree in five. Students work as research and teaching assistants under the supervision of a faculty member. After their second year, students can teach independently.

Admission Requirements/Financial Aid

The LeBow College of Business seeks applicants with exceptional ability and motivation. For the PhD, the College places emphasis on applicants who can provide evidence of strong potential in a research-oriented program. In general, prior training at either the undergraduate or graduate level in economics and mathematics is strongly encouraged. All courses in the program expect a preparation of at least principles of economics and basic statistics. Students who lack some part of this preparation may be considered for admission conditional on their completing the appropriate undergraduate courses as non-matriculated students during the summer term before they begin the program in the fall.

Admission is competitive and highly selective.

In reviewing an applicant's credentials, the faculty will consider the following factors:

- **Prior Academic Accomplishments:** The faculty will examine all course work taken prior to application, paying particular attention to the specific courses that have been completed. Applicants should have attained a minimum grade point average of 3.0 (on a 4.0 scale) for all undergraduate course work completed. They also should have attained a minimum 3.3 average for any graduate-level course work taken. The faculty generally expects applicants to demonstrate a substantially higher level of accomplishment than these minimum requirements. A master's degree is not a requirement.
- **Graduate Record Examination (GRE):** Applicants are required to submit GRE scores. GRE scores are not accepted if they are more than five years old.
- **Test of English as a Foreign Language (TOEFL):** Applicants whose native language is not English and who have not already received a degree from a U.S. university must also submit scores from the Test of English as a Foreign Language (TOEFL).
- **Personal Statement/Essay:** Each applicant must submit a personal statement. The personal statement should explain the applicant's educational and personal experiences that have influenced the decision to pursue a PhD and should discuss the candidate's career plans and goals. The faculty are especially interested in learning about an applicant's prior research experience and the commitment to future research in the applicant's area of specialization.

- **Letters of Recommendation:** Two letters of recommendation must be submitted in support of the application. Applicants are strongly encouraged to seek recommendations from academics or other professionals who can assess the applicant's likelihood of success in a research-oriented PhD program.

Admission Procedures

The PhD Programs in Economics admits students each fall. To be considered for admission, the completed application must be received by the LeBow College of Business Office of Graduate Admissions no later than January 15th. It is the applicant's responsibility to ensure that all transcripts, test scores and letters of recommendation, as well as the application form and the personal statement, are received by Drexel University no later than January 15th.

Assistantships and Financial Aid

The LeBow College of Business strives to provide graduate assistantships to all entering PhD students. Each applicant to the PhD program is automatically considered for a graduate assistantship as well as for admission into the program. First-year graduate assistants are assigned to work with a faculty member on research activities. During the second and subsequent years, graduate assistants are generally assigned a combination of teaching and research responsibilities. Assistants receive a stipend and 27.0 credits of tuition remission per academic year. Doctoral students who are making satisfactory progress toward the degree can expect to be provided with an assistantship for at least four years.

Additional information can be found online at the PhD Program in Economics (http://www.lebow.drexel.edu/Prospects/Doctorate/Econ) page as well as in the LeBow College of Business PhD Programs Handbook (http://www.lebow.drexel.edu/Current/Doctorate).

To apply and for application information please check online at the LeBow Ph.D. Admissions (http://www.lebow.drexel.edu/resources/admissions/phd) webpage.

Questions should be addressed to lebowphd@drexel.edu.

Degree Requirements

The PhD in Economics program prepares economists for careers in research, teaching, business, and government. It is designed to provide students with not only a broad understanding of modern economics, but also the opportunity to conduct high quality research in a number of specific fields of study including industrial organization, international economics, and health economics.

In the second year of study, the PhD in Economics offers three fields of specialization: industrial organization, international trade, and open economy macroeconomics. Students complete courses in two of these fields of specialization.

Curriculum

60.0 credits (Post-Master's degree)
90.0 credits (Post-Bachelor's degree)

- 27.0 credits of first year core courses
- 18.0 credits of economics field requirements
- 15.0 credits (minimum) of dissertation research
- 30.0 additional dissertation research credits for students without a Master's degree

Core Program

All PhD students pursue a common set of core courses. The following courses are all completed during the first year, with the exception of ECON 942 Econometrics III, which is completed in the second year.

Core Courses		
ECON 902	Mathematical Economics	3.0
ECON 910	Advanced Microeconomics I	3.0
ECON 911	Advanced Microeconomics II	3.0
ECON 920	Advanced Macroeconomics I	3.0
ECON 921	Advanced Macroeconomics II	3.0
ECON 940	Econometrics I	3.0
ECON 941	Econometrics II	3.0
ECON 942	Applied Microeconometrics [*]	3.0
ECON 980	Game Theory	3.0
STAT 931	Statistics for Economics	3.0
Total Credits		**30.0**

[*]   Taken in the second year.

First-Year Examination

After the completion of the core coursework, students are examined on their competence in the core material and their readiness to proceed.

Fields of Specialization	
Students are required to complete the coursework for at least two of the following fields/sequences.	
Industrial Organization	
ECON 950	Industrial Organization I
ECON 951	Industrial Organization II
ECON 959	Industrial Organization Seminar
International Trade	
ECON 960	International Trade
ECON 961	Empirical International Trade
ECON 969	International Trade Seminar
Open Economy Macroeconomics	
ECON 925	Macroeconomic Dynamics
ECON 962	Open Economy Macroeconomics
ECON 979	Open Economy Macro Seminar

Electives

In addition, students can take elective courses from the Economics Department, from any other departments in the College of Business, and from departments in other Colleges of Drexel University. The following is a set of sample electives:

ECON 930	Monetary Economics	3.0
ECON 952	Health Economics	3.0
ECON 955	Public Economics	3.0
ECON 964	Economic Development	3.0
ECON 990	Special Topics-PhD-Economics	0.5-9.0
ECON 992	Independent Study	3.0
Additional courses with the permission of the advisor		3.0

Dissertation Research	12.0
ECON 998	Dissertation Research in Economics

Candidacy Examination

At the completion of their coursework, students take written and oral candidacy examinations. These examinations test each student's preparation for dissertation research. Once the candidacy examinations are passed, the student is recognized as a PhD candidate.

Doctoral Dissertation

The doctoral dissertation is a piece of original research designed to make a contribution to the student's chosen discipline. Each candidate selects a dissertation advisor and an advisory committee of additional faculty members is formed. The candidate prepares a detailed dissertation proposal that is defended before the University community. After successfully defending the proposal, the candidate conducts the research (12-credit minimum) and prepares a written dissertation. The completed dissertation is then defended in a final oral examination.

Dissertation Format Review

In addition to meeting the Thesis Advisory Committee's standards of originality and scholarly content, all doctoral dissertations must conform to university format requirements. Students should obtain a copy of the Thesis Manual from the Graduate Studies Office or from the Thesis Reviewer in 5038 MacAlister Hall.

Executive MBA Program

Master of Business Administration (MBA): 51.0 quarter credits

About the Program

The Executive MBA program is designed for experienced professionals with a minimum of 7 years of experience including two years in management functions. Executive MBA students have an average of 15 years of professional experience. The program stresses leadership, strategic thinking, and working effectively in a team environment.

The Executive MBA of LeBow College is an accelerated program designed to help experienced professionals leverage valuable work experience to maximize leadership potential. The Executive MBA Program is closely aligned with the needs of students and the business community. The program aims to produce business leaders who:

- communicate effectively as leaders;
- are skilled at innovative thinking;
- can convert ideas into actions;
- understand global business and management;
- can make informed and ethical decisions.

The program is designed for students to learn within a small group (typically 20-30 students) who begin and complete the program together. Students learn from faculty as well as fellow classmates in a dynamic, interactive environment. Networking is a crucial part of the Executive MBA experience. Executive MBA alumni form a close-knit and engaged community.

The curriculum is distinct from that of a traditional MBA, which emphasizes knowledge a practitioner needs; the Executive MBA Program focuses on what decision makers need to know. Leadership workshops and executive coaching are interwoven throughout the 20-month program.

Program Delivery

The Executive MBA Program begins each September with a three-day immersion phase in which students spend a concentrated period working with fellow students and laying the foundations for subsequent coursework and collaboration. The program meets one Friday and two Saturdays to minimize time away from the office and home while keeping students on a steady path to completion in 20 months. One week per month is an on-line or project week. To close the program, students participate in a capstone 10-day international residency.

Additional Information

For additional information about the program, visit the Executive MBA (http://www.lebow.drexel.edu/Prospects/MBA/Executive) web page.

Admission Requirements

The EMBA program has separate admission procedures. A personal interview is required. Students admitted to the program have an average of 15 years work experience and significant potential for advancement in their organizations. A minimum of 7 years of professional experience (including 2 years of management) is required. Students must be admitted to the Executive MBA program to register for EMBA cohorted classes. For further information, please contact:

Charlotta Thunander
Associate Director
Executive MBA Program
215.895.0314
cthunander@drexel.edu (elie.farhat@drexel.edu)

About the Curriculum

A major strength of the LeBow Executive MBA program is the focus on leadership development. At the core of this instruction is a team-based learning approach. Designed to help enhance the transfer of experiences, each student will progress through the program in diverse teams. During orientation, students participate in team building exercises in which students work together to achieve common goals. Throughout the program, students earn credits towards a Leadership Certificate sponsored by the LeBow Institute for Strategic Leadership.

The Executive MBA is closely aligned with the needs of students and the business community and centers around four relevant and comprehensive modules. Starting with Enterprise Management, the program follows a sequential plan of study, building upon material learned from each of the previous modules. Students explore and apply the core business disciplines of finance, economics, and accounting. In the second year, students take strategy-based classes that require the application and synthesis of knowledge gained earlier in the program. At the end of the program the learning focuses on global business management, including a 10-day international residency.

Foundation Courses

This module is designed to orient students to business concepts, applications and decision making in accounting, finance and economics. Specific courses include:

- Managing the Total Enterprise (business simulation)
- Measuring and Maximizing Financial Performance
- Principles of Macro and Micro Economics

Functional Core

This module is designed to build a solid core of advanced business learning, and will expose students to the latest academic trends from our internationally recognized research faculty. Specific courses include:

- Managerial Accounting
- Corporate Finance
- Business Statistics
- Marketing Strategy and Planning
- Operations Management
- Managerial Economics

Technology Management & Business Analytics

This module is designed to develop planning skills and an understanding of constantly emerging technological trends. Specific courses include:

- Managing Technological Innovation
- MIS: Strategic Alignment
- Fundamentals of Business Analytics

Strategic Leadership

This module is designed to help professionals increase their leadership ability by exposing them to the latest self-assessment tools, industry best practices and strategies. Specific courses include:

- Mergers & Acquisitions and Corporate Governance
- Strategic Management
- International Business Management
- International Residency Seminar

Professional Leadership

- Leadership & Professional Development
- Special topics courses on leadership such as team dynamics, building and leveraging networks, ethics, and leading in dynamic environments.

Executive Coaching

Students work individually with an executive coach during and beyond the 20-month program to design and implement a personal career development plan and reinforce leadership skills.

MBA Programs

Master of Business Administration: 51.0 quarter credits

About the MBA

Drexel University's innovative, high-quality MBA program is recognized for its excellence and for its preparation of students for successful professional careers. We seek to attract and retain students with excellent undergraduate academic records and a commitment to graduate education. From its inception, Drexel has been a technology-oriented university, and we are committed to focusing our graduate curricula to reflect the importance and use of technology in both business and not-for-profit organizations.

Goals and Objectives

The MBA program is designed to:

- Integrate the foundations of business, problem-solving, and decision-making skills; organization theory; and practical aspects of institutional management
- Prepare students for managerial positions in business and other institutions
- Offer concentrations in various areas of management
- Capitalize on communication skills, people skills, global perspectives, technological competence, pragmatic emphasis, and ethical perspectives

Students selecting a concentration can choose from the following options:

- Business Analytics
- Finance
- Healthcare Management *(not available in full-time MBA program)*
- Entrepreneurship/Innovation Management
- Marketing

Full-time, Part-Time, Online and Accelerated Options

The College offers one MBA degree delivered in different formats: – face-to-face or online, part-time or full-time, and at satellite campuses in Malvern, PA., and Sacramento, CA. Additionally, the Drexel LeBow MBA offers several fields of concentration within the MBA. Visit LeBow College's web site for information about additional MBA options (http://www.lebow.drexel.edu/Prospects/MBA).

Degree Requirements

Master of Business Administration (MBA): 51.0 quarter credits

The Master of Business Administration (MBA) curriculum remains firmly grounded on the best features of the "traditional" MBA as it has evolved over half a century. Among these features is a broad overview of business, complemented by at least one area of specialization.

Students selecting a concentration can choose from the following options:

- Business Analytics
- Finance
- Healthcare Management *(not available in full-time MBA program)*
- Entrepreneurship/Innovation Management
- Marketing

Foundation Courses

BUSN 505	Financial Performance of the Firm - Accounting	1.5
BUSN 506	Financial Performance of the Firm - Finance	1.5
BUSN 507	Essentials of Economics I	1.5
BUSN 508	Essentials of Economics II	1.5
Core Curriculum		
ACCT 601	Managerial Accounting	3.0
ECON 601	Managerial Economics	3.0
FIN 601	Corporate Financial Management	3.0
MGMT 601	Managing the Total Enterprise	3.0
MGMT 602	Managing Technology Innovation	3.0
MKTG 601	Marketing Strategy & Planning	3.0

ORGB 625	Leadership and Professional Development	3.0
POM 601	Operations Management	3.0
STAT 601	Business Statistics	3.0

Flexible Core Sequence

Students select two courses from the following list of flexible core courses:		6.0

Baida Center for Entrepreneurship

MGMT 650	Corporate Venturing	
MGMT 652	New Venture Planning	

Center for Corporate Governance

BLAW 605	Legal Options in Decision Making	
FIN 610	Corporate Governance	

Center for Corporate Reputation Management

MKTG 654	Corporate Brand & Reputation Management	
MKTG 790	Seminar In Marketing Management	

International Business/Studies

INTB 620	International Business Management	
MIS 651	Information Systems Outsourcing Management	

Sovereign Institute for Strategic Leadership

ORGB 631	Leading Effective Organizations	
ORGB 640	Negotiations for Leaders	

Capstone Course

MGMT 780	Strategic Management	3.0

Concentration Courses   9.0

Students selecting a concentration can choose from the following options:	
Business Analytics	
Finance	
Healthcare Management	
Marketing	
Entrepreneurship/Innovation Management	

Total Credits	**51.0**

Business Analytics Concentration

The Business Analytics concentration prepares students to make good business decisions with fact-based analysis and an understanding of business performance from a systems view, using statistical and quantitative analysis of data as well as explanatory and predictive modeling.

Requirements

STAT 698	Special Topics [*]	3.0
Select two of the following:		6.0
ECON 650	Business & Economic Strategy: Game Theory & Applications	
FIN 642	Business Conditions and Forecasting	
MIS 630	Inter-Active Decision Support Systems	
OPR 601	Managerial Decision Models and Simulation	
OPR 626	System Simulation	
POM 625	Supply Chain Management	
STAT 628	Applied Regression Analysis	
STAT 634	Quality & Six-Sigma	

STAT 636	Experimental Design	
Total Credits		**9.0**

[*] Prerequisite is STAT 602.

Finance Concentration

Required Courses

Select two of the following:		6.0
FIN 602	Advanced Financial Management	
FIN 622	Financial Institutions & Markets	
FIN 624	Risk Management	
FIN 626	Investment Management	
FIN 635	Entrepreneurial Finance	
FIN 640	Mergers and Acquisitions	
FIN 642	Business Conditions and Forecasting	
FIN 648	International Financial Management	
FIN 790	Seminar in Finance	

Electives

Select one of the following:		3.0
BLAW 620	Legal Aspects of Employment	
BLAW 698	Special Topics	
ECON 614	Macroeconomics	
ECON 630	International Economics	
ECON 650	Business & Economic Strategy: Game Theory & Applications	
INTB 632	Economic Analysis of Multinational Corporations	
MGMT 655	Knowledge Management	
MIS 624	E-Commerce Systems I	
MIS 630	Inter-Active Decision Support Systems	
MKTG 630	Global Marketing	
MKTG 650	Marketing Management Cases and Problems	
OPR 601	Managerial Decision Models and Simulation	
POM 620	Management of Manufacturing Firms	
POM 624	Management of Service Firms	
STAT 634	Quality & Six-Sigma	

Total Credits		**9.0**

Healthcare Management Concentration

This specialized, cohorted, online program was developed together with industry representatives. The custom program is designed for professionals in the pharmaceutical and healthcare industries to help achieve new understanding and advance students' careers by integrating business strategy with science and technology and the unique perspective of the industry.

Four of the 17 courses offered are in-person residencies over three- to six-day on-site sessions at the beginning, middle, and end of the program. The remainder of the courses are delivered in an online format for ultimate flexibility.

This program begins in the spring and takes approximately 24 months to completion.

BUSN 651	Healthcare Business Practice I: Foundations	3.0
BUSN 652	Healthcare Business Practice II	3.0

BUSN 653	Healthcare Business Practice III: Capstone	3.0
Total Credits		**9.0**

Marketing Concentration

Required Courses

Select two of the following:		6.0
MKTG 622	Buyer Behavior Theory	
MKTG 624	Channels of Distribution Management	
MKTG 630	Global Marketing	
MKTG 634	Integrated Marketing Communications Management	
MKTG 636	Business to Business Marketing	
MKTG 638	New Product Planning, Strategy, and Development	
MKTG 646	Services Marketing	
MKTG 650	Marketing Management Cases and Problems	
MKTG 652	Marketing Information Management and Research	

Electives

Select one of the following:		3.0
BLAW 698	Special Topics	
ECON 614	Macroeconomics	
ECON 630	International Economics	
FIN 642	Business Conditions and Forecasting	
FIN 648	International Financial Management	
INTB 632	Economic Analysis of Multinational Corporations	
INTB 790	Seminar in International Business	
MGMT 655	Knowledge Management	
MIS 624	E-Commerce Systems I	
MIS 630	Inter-Active Decision Support Systems	
MIS 632	Database Analysis and Design for Business	
OPR 601	Managerial Decision Models and Simulation	
POM 624	Management of Service Firms	
POM 625	Supply Chain Management	
STAT 634	Quality & Six-Sigma	
Total Credits		**9.0**

Entrepreneurship/Innovation Management Concentration

Required Courses

Select two of the following:		6.0
BLAW 620	Legal Aspects of Employment	
BLAW 646	Legal Issues in New Ventures	
FIN 635	Entrepreneurial Finance	
MGMT 640	Strategic Human Resource Management	
MGMT 655	Knowledge Management	
MIS 624	E-Commerce Systems I	
MIS 630	Inter-Active Decision Support Systems	
MIS 632	Database Analysis and Design for Business	
MKTG 638	New Product Planning, Strategy, and Development	

Electives

Select one of the following:		3.0
ECON 614	Macroeconomics	
ECON 630	International Economics	

ECON 650	Business & Economic Strategy: Game Theory & Applications	
FIN 602	Advanced Financial Management	
FIN 624	Risk Management	
FIN 640	Mergers and Acquisitions	
FIN 642	Business Conditions and Forecasting	
FIN 648	International Financial Management	
FIN 649	Comparative Financial Analysis	
INTB 632	Economic Analysis of Multinational Corporations	
INTB 790	Seminar in International Business	
MGMT 655	Knowledge Management	
MKTG 622	Buyer Behavior Theory	
MKTG 624	Channels of Distribution Management	
MKTG 630	Global Marketing	
MKTG 634	Integrated Marketing Communications Management	
MKTG 646	Services Marketing	
MKTG 650	Marketing Management Cases and Problems	
ORGB 640	Negotiations for Leaders	
OPR 601	Managerial Decision Models and Simulation	
POM 620	Management of Manufacturing Firms	
POM 624	Management of Service Firms	
POM 625	Supply Chain Management	
STAT 634	Quality & Six-Sigma	
Total Credits		**9.0**

MBA Concentrations

Business Analytics Concentration

The Business Analytics concentration prepares students to make good business decisions with fact-based analysis and an under stranding of business performance from a systems view, using statistical and quantitative analysis of data as well as explanatory and predictive modeling.

Requirements

STAT 698	Special Topics	3.0
Select two of the following:		6.0
ECON 650	Business & Economic Strategy: Game Theory & Applications	
FIN 642	Business Conditions and Forecasting	
MIS 630	Inter-Active Decision Support Systems	
OPR 601	Managerial Decision Models and Simulation	
OPR 626	System Simulation	
POM 625	Supply Chain Management	
STAT 628	Applied Regression Analysis	
STAT 634	Quality & Six-Sigma	
STAT 636	Experimental Design	
Total Credits		**9.0**

Healthcare Management Concentration

The concentration in Health Care management is a specialized, cohorted online program designed to address both the political and technological forces shaping the pharmaceutical and healthcare industry in competitive global markets. The program is designed for professionals in the pharmaceutical and healthcare industries to help achieve new understanding and potential for career advancement by integrating business strategy with science and technology and the unique perspective of the industry.

Requirements

BUSN 651	Healthcare Business Practice I: Foundations	3.0
BUSN 652	Healthcare Business Practice II	3.0
BUSN 653	Healthcare Business Practice III: Capstone	3.0
Total Credits		**9.0**

Finance Concentration

Required Courses		6.0
Select two of the following:		
FIN 602	Advanced Financial Management	
FIN 622	Financial Institutions & Markets	
FIN 624	Risk Management	
FIN 626	Investment Management	
FIN 635	Entrepreneurial Finance	
FIN 640	Mergers and Acquisitions	
FIN 642	Business Conditions and Forecasting	
FIN 648	International Financial Management	
FIN 790	Seminar in Finance	
Finance Electives		3.0
Select one of the following:		
BLAW 620	Legal Aspects of Employment	
BLAW 698	Special Topics	
ECON 614	Macroeconomics	
ECON 630	International Economics	
ECON 650	Business & Economic Strategy: Game Theory & Applications	
INTB 632	Economic Analysis of Multinational Corporations	
MGMT 655	Knowledge Management	
MIS 624	E-Commerce Systems I	
MIS 630	Inter-Active Decision Support Systems	
MKTG 630	Global Marketing	
MKTG 650	Marketing Management Cases and Problems	
OPR 601	Managerial Decision Models and Simulation	
POM 620	Management of Manufacturing Firms	
POM 624	Management of Service Firms	
STAT 634	Quality & Six-Sigma	
Total Credits		**9.0**

Marketing Concentration

Required Courses		6.0
Select two of the following:		
MKTG 622	Buyer Behavior Theory	
MKTG 624	Channels of Distribution Management	
MKTG 630	Global Marketing	
MKTG 634	Integrated Marketing Communications Management	
MKTG 636	Business to Business Marketing	
MKTG 638	New Product Planning, Strategy, and Development	
MKTG 646	Services Marketing	
MKTG 650	Marketing Management Cases and Problems	
MKTG 652	Marketing Information Management and Research	
Electives		3.0
Select one of the following:		
BLAW 698	Special Topics	
ECON 614	Macroeconomics	
ECON 630	International Economics	
FIN 642	Business Conditions and Forecasting	
FIN 648	International Financial Management	
INTB 632	Economic Analysis of Multinational Corporations	
INTB 790	Seminar in International Business	
MGMT 655	Knowledge Management	
MIS 624	E-Commerce Systems I	
MIS 630	Inter-Active Decision Support Systems	
MIS 632	Database Analysis and Design for Business	
OPR 601	Managerial Decision Models and Simulation	
POM 624	Management of Service Firms	
POM 625	Supply Chain Management	
STAT 634	Quality & Six-Sigma	
Total Credits		**9.0**

Entrepreneurship/Innovation Management Concentration

Required Courses		6.0
Select two of the following:		
BLAW 620	Legal Aspects of Employment	
BLAW 646	Legal Issues in New Ventures	
FIN 635	Entrepreneurial Finance	
MGMT 640	Strategic Human Resource Management	
MGMT 655	Knowledge Management	
MIS 624	E-Commerce Systems I	
MIS 630	Inter-Active Decision Support Systems	
MIS 632	Database Analysis and Design for Business	
MKTG 638	New Product Planning, Strategy, and Development	
Electives		3.0
Select one of the following:		
ECON 614	Macroeconomics	
ECON 630	International Economics	
ECON 650	Business & Economic Strategy: Game Theory & Applications	
FIN 602	Advanced Financial Management	
FIN 624	Risk Management	
FIN 640	Mergers and Acquisitions	
FIN 642	Business Conditions and Forecasting	
FIN 648	International Financial Management	
FIN 649	Comparative Financial Analysis	
INTB 632	Economic Analysis of Multinational Corporations	
INTB 790	Seminar in International Business	
MGMT 655	Knowledge Management	

MKTG 622	Buyer Behavior Theory	
MKTG 624	Channels of Distribution Management	
MKTG 630	Global Marketing	
MKTG 634	Integrated Marketing Communications Management	
MKTG 646	Services Marketing	
MKTG 650	Marketing Management Cases and Problems	
ORGB 640	Negotiations for Leaders	
OPR 601	Managerial Decision Models and Simulation	
POM 620	Management of Manufacturing Firms	
POM 624	Management of Service Firms	
POM 625	Supply Chain Management	
STAT 634	Quality & Six-Sigma	
Total Credits		**9.0**

BS/MBA students may be waived from two MBA Enterprise Management courses, assuming a grade of B or better is earned in specified undergraduate courses. Students can review the Waiver Policies for the Statement of Curriculum Standing (http://www.lebow.drexel.edu/PDF/Docs/Grad/CurriculumStanding.pdf) on the LeBow College's website for additional information.

Master of Science in Accounting

Master of Science: 45.0 quarter credits (for students entering with an undergraduate degree in accounting); 63.0 quarter credits (for students entering without an undergraduate degree in accounting)

About the Program

The MS in Accounting program, which can be completed in a one-year or two-year format, is designed to meet the needs of those who plan careers in public accounting, corporate accounting, not-for-profit accounting, or government accounting.

The one-year (45.0 quarter credit) option is for students already awarded an undergraduate degree in accounting. Students who do not have an undergraduate degree in accounting can be considered for admission to the two-year (63.0 quarter credit) program, where prerequisite courses are completed in the first year of study.

The program offers students the opportunity to obtain the technical knowledge, analytical skills and communication proficiency required to serve as ethical and effective accounting professionals. Upon completion of the program, students will be qualified to sit for the Certified Public Accountant (CPA) examination.

The one-year program builds on knowledge equivalent to the requirements for a Drexel University baccalaureate degree in business with a major in accounting. Some or all of the prerequisite courses may be waived at the time of admission for those who have completed equivalent courses in their undergraduate education and who can demonstrate proficiency. Applicants must have earned a minimum grade of C in each of the following prerequisite courses:

Prerequisite Requirements

ACCT 115	Financial Accounting Foundations	4.0
ACCT 116	Managerial Accounting Foundations	4.0
ACCT 321	Financial Reporting I	4.0
ACCT 322	Financial Reporting II	4.0
ACCT 323	Financial Reporting III	4.0
ACCT 331	Cost Accounting	4.0
ACCT 341	Principles of Auditing	4.0
TAX 341	Individual Income Taxes	4.0

For Drexel University students planning on entering this program, they are expected to be at Drexel for five years (4 undergraduate years + 1 year for the MS degree) with one co-op residency as part of their combined BS/MS program. Students with undergraduate accounting degrees from non-AACSB accredited schools and non-US schools will be reviewed based upon the curriculum and its comparability to the LeBow undergraduate program. These students may be required to take additional prerequisite courses prior to being admitted to the MS in Accounting program. Further, while students with undergraduate degrees in accounting from non-US schools may be eligible for admission to the program, completion of the program will not necessarily make them eligible to sit for the CPA examination. These students will be responsible for assessing whether their academic backgrounds make them eligible to sit for the CPA examination.

Students with undergraduate degrees in areas outside of accounting can be considered for admission to the two-year program or to the one-year program only after they acquire the necessary prerequisite undergraduate accounting and/or business courses. These students should contact the LeBow Advising Office (http://www.lebow.drexel.edu/Current/Undergraduate/advising.php) to determine what courses are needed to gain admission to the MS in Accounting program.

State CPA Requirements

Under the accountancy law that became effective in Pennsylvania in 2012, an individual interested in practicing as a CPA is required to have the equivalent of 150 semester (225 quarter) credit hours of university education and 36 semester-credits (54 quarter-credits) in accounting subjects. The combined BS/MS in Accounting program satisfies this Pennsylvania state certification requirement. If students are interested in taking the CPA examination in another state (e.g., Delaware, New Jersey, Maryland), they will need to work in conjunction with the relevant State Board of Accountancy, the Accounting Department, and the LeBow Advising Office to ensure their eligibility to sit for the CPA examination in their desired state.

Students should contact the Accounting Department (http://www.lebow.drexel.edu/Faculty/Departments/Accounting) for additional information.

One-Year Program: Degree Requirements

Required Core Courses

ACCT 600	Accounting Analysis & Theory	3.0
ACCT 603	Strategic Cost Management	3.0
ACCT 604	International Financial Reporting	3.0
ACCT 605	Assurance Services	3.0
ACCT 606	Current Issues in the Accounting Profession	3.0
ACCT 622	Advanced Financial Accounting	3.0
BLAW 626	Law for the CPA Exam	3.0
TAX 630	Corporate Taxation	3.0
Select two of the following:		6.0
ACCT 607	Forensic Investigation	

ACCT 608	Government and Not-for-Profit Accounting	
ACCT 628	Accounting Valuation Issues	
ACCT 644	Internal Auditing	
ACCT 650	Accounting Information Systems	
TAX 611	Tax Research	
TAX 698	Special Topics in Tax	
Business Elective Courses		15.0

Students take any five (5) business courses from within the Lebow College of Business. Students should consult with their program manager for the full list of approved electives available each term.

Total Credits	**45.0**

Students should contact the Accounting Department (http://www.lebow.drexel.edu/Faculty/Departments/Accounting) for additional information.

Two-Year Program: Degree Requirements

Required Courses

ACCT 600	Accounting Analysis & Theory	3.0
ACCT 601	Managerial Accounting	3.0
ACCT 603	Strategic Cost Management	3.0
ACCT 604	International Financial Reporting	3.0
ACCT 605	Assurance Services	3.0
ACCT 606	Current Issues in the Accounting Profession	3.0
ACCT 622	Advanced Financial Accounting	3.0
ACCT 625	Financial Accounting Theory I	3.0
ACCT 626	Financial Accounting Theory II	3.0
ACCT 627	Financial Accounting Theory III	3.0
ACCT 631	Cost Accounting	3.0
ACCT 640	Auditing Theory and Philosophy	3.0
BLAW 626	Law for the CPA Exam	3.0
ECON 601	Managerial Economics	3.0
FIN 601	Corporate Financial Management	3.0
STAT 601	Business Statistics	3.0
TAX 620	Individual Taxation	3.0
TAX 630	Corporate Taxation	3.0
Electives		9.0

Students select an additional three elective courses. At least two courses must be ACCT or TAX. The following is a list of suggested electives. Students should consult with their program manager for the full list of approved electives available each term.

ACCT 607	Forensic Investigation	
ACCT 608	Government and Not-for-Profit Accounting	
ACCT 628	Accounting Valuation Issues	
ACCT 644	Internal Auditing	
ACCT 650	Accounting Information Systems	
TAX 611	Tax Research	
TAX 698	Special Topics in Tax	

Total Credits	**63.0**

Accounting Courses

ACCT 600 Accounting Analysis & Theory 3.0 Credits
Topics may include: economic and political aspects of the financial reporting standard setting process; agency theory and efficient markets hypotheses and their financial reporting implications; analysis of accounting information with an emphasis on accounting measurement issues and evaluating the quality of financial accounting information for use in accounting-related decisions.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

ACCT 601 Managerial Accounting 3.0 Credits
Discusses management accounting as part of the firm's information system, drawing on modern cost accounting and budgeting systems for planning and controlling business operations.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: BUSN 501 [Min Grade: C] or (BUSN 505 [Min Grade: C] and BUSN 506 [Min Grade: C])

ACCT 603 Strategic Cost Management 3.0 Credits
Examines recent advances in cost management principles and applies these principles to practical situations. Also covers how management accounting tools can be utilized by management for tactical and strategic profit planning and control.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

ACCT 604 International Financial Reporting 3.0 Credits
Examines the international dimensions of financial reporting with primary emphasis on financial reporting and disclosure under International Financial Reporting Standards.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

ACCT 605 Assurance Services 3.0 Credits
Focuses on emerging issues related to assurance services and involves researching and resolving practice-oriented problems. In addition to other relevant topics selected by the instructor, the course covers issues related to the audit of a company's internal controls.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

ACCT 606 Current Issues in the Accounting Profession 3.0 Credits
This course focuses on key issues facing the profession. Students hear from speakers in the accounting profession about a variety of topics, including personal career issues, keys to professional success, and profession-wide developments.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

ACCT 607 Forensic Investigation 3.0 Credits
Study of the process of locating, investigating, and documenting fraud in a business environment. Topics include: discussion of criminal statues related to financial crimes, techniques used in solving financial crimes, interviewing, rules of evidence, sources of information, forensic accounting procedures, and current issues in financial investigations.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

ACCT 608 Government and Not-for-Profit Accounting 3.0 Credits
Topics may include: uses of fund accounting and budgeting in
governmental entities; the financial reporting entity; elements of
financial states; conceptual reporting issues for state and local
governments; accounting and financial reporting for governmental
and non-governmental not-for-profit organizations, including hospitals,
universities, and voluntary health and welfare organizations.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

ACCT 622 Advanced Financial Accounting 3.0 Credits
Studies theory and practice related to business combinations,
consolidated financial statements, and other selected topics. Students
who have taken advanced accounting at the undergraduate level should
not enroll in this course.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Can enroll if major is ACCT.

ACCT 625 Financial Accounting Theory I 3.0 Credits
Introduces preparation of the income statement and the balance sheet.
Covers analysis and recording of business transactions and a detailed
study of accounting for assets, liabilities, and equity.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Can enroll if major is ACCT.

ACCT 626 Financial Accounting Theory II 3.0 Credits
Provides intensive review of current accounting practice in light of
authoritative pronouncements and critical study of theory and practice
relating to preparing financial statements.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Can enroll if major is ACCT.
Prerequisites: ACCT 625 [Min Grade: C]

ACCT 627 Financial Accounting Theory III 3.0 Credits
Continues critical study of accounting theory and practice relating to
financial statement items and selected accounting topics and covers
theory and practice relating to advanced accounting topics, with emphasis
on consolidated financial statements.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Can enroll if major is ACCT.
Prerequisites: ACCT 626 [Min Grade: C]

ACCT 628 Accounting Valuation Issues 3.0 Credits
This course explores the role accounting information, accounting
practices, and ratio analysis serves in determining the valuation of
firm assets, liabilities and equity to support transactions such as asset
impairment, mark-to-market accounting, business combinations or
leveraged buyouts. Case studies will highlight current and emerging
valuation issues and challenges.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: ACCT 627 [Min Grade: C] or ACCT 323 [Min Grade: C]

ACCT 631 Cost Accounting 3.0 Credits
Cost accounting information is essential to many forms of communication
in business enterprises. It is important not only to understand how cost
accounting information is developed and used, but also to consider why it
is used (i.e., its purpose), and whether it should be used for that purpose.
Students will learn how concepts, procedures, and techniques are applied
in practice and learn to critically evaluate their use.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: ACCT 601 [Min Grade: C]

ACCT 640 Auditing Theory and Philosophy 3.0 Credits
This course is designed to provide a basic overview of the audit
profession, role and responsibilities of the external auditor and the
audit process. You will become familiar with concepts, processes and
procedures that an external auditor utilizes during the scope of an audit
engagement.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

ACCT 644 Internal Auditing 3.0 Credits
Internal auditing provides an organization with independent, objective
assurance and consulting activity designed to add value and improve
an organization's operations. Topics covered vary at the discretion of
the instructor and frequently include: the Institute of Internal Auditor's
International Professional Practices Framework, risk assessment
including internal control system evaluation and enterprise wide risk
assessment, corporate governance, and the relationship of management
and employee fraud to the internal audit process. The course includes
outside speakers and cases to highlight current issues.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

ACCT 650 Accounting Information Systems 3.0 Credits
Examines the relationships and distinctions between accounting
information systems (AIS) and the total management information system,
with major emphasis on computerized AIS. Covers oral and written
communication, objectives and procedures of internal control, proper
system documentation through flowcharts and other techniques, and
systems analysis and design methodologies.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

ACCT 698 Special Topics 0.5-9.0 Credits
See department for course description.
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit
Prerequisites: ACCT 111 [Min Grade: C] or ACCT E311 [Min Grade: C]
or ACCT 511 [Min Grade: C] or BUSN 501 [Min Grade: C]

ACCT 699 Independent Study 0.5-4.0 Credits
Independent Study.
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit
Prerequisites: ACCT 601 [Min Grade: C] or ACCT 602 [Min Grade: C] or
ACCT 620 [Min Grade: C]

ACCT 790 Seminar in Accounting 3.0 Credits
Examines selected accounting topics from the standpoint of historical background, current theory, and future application to financial reporting. Requires oral and written reports.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: ACCT 621 [Min Grade: C]

ACCT 910 Research Methods in Accounting 3.0 Credits
Provides in-depth analysis of the application of research methodologies in accounting.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

ACCT 921 Empirical Research in Accounting I 3.0 Credits
An introduction to empirical research concerning financial accounting and the capital markets.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

ACCT 922 Empirical Research in Accounting II 3.0 Credits
This course builds upon the material in ACCT 921 and examines topics in empirical research in financial accounting and the capital markets.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: ACCT 921 [Min Grade: C]

ACCT 931 Behavioral Research in Accounting I 3.0 Credits
Seminar involving an in-depth analysis and critique of the experimental design, conclusions, use and choice of subjects, and statistical techniques of judgment and decision-making in accounting.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

ACCT 932 Behavioral Research in Accounting II 3.0 Credits
Seminar involving an in-depth coverage of accounting research utilizing experimentation designs to examine issues such as instrument development.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: MGMT 904 [Min Grade: C]

ACCT 990 Special Topics-PhD-Accounting 0.5-9.0 Credits
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit

ACCT 998 Dissertation Research in Accounting 1.0-12.0 Credit
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit

ACCT 999 Independent Study in Accounting 3.0 Credits
ACCT Independent Study.
College/Department: LeBow College of Business
Repeat Status: Can be repeated 3 times for 9 credits

Taxation Courses

TAX 611 Tax Research 3.0 Credits
Uses tax research cases to demonstrate the use and interrelationship of statutory, legislative, and judicial authority. Requires students to have access to a personal computer for assignments.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

TAX 615 Tax Practice and Procedure 3.0 Credits
Covers the history and organization of the Internal Revenue Service, audit and conference procedures, administrative and judicial procedures governing tax controversies, and rights and obligations of the taxpayer.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

TAX 620 Individual Taxation 3.0 Credits
Covers fundamentals of federal income taxation with respect to individuals, addressing items of income inclusion and exclusion and statutory deductions in arriving at tax liability. Students who have taken individual taxation at the undergraduate level should not enroll in this course.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: BUSN 501 [Min Grade: C] or (BUSN 505 [Min Grade: C] and BUSN 506 [Min Grade: C])

TAX 630 Corporate Taxation 3.0 Credits
Examines the impact of federal income taxes on corporate income and corporate distributions received by shareholders.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

TAX 631 Advanced Corporate Taxation 3.0 Credits
Continuation of TAX 630 with emphasis on consolidated tax returns.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: TAX 630 [Min Grade: C]

TAX 640 Partnership Taxation 3.0 Credits
Examines statutory and administrative authority governing the federal taxation of partnership.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: TAX 620 [Min Grade: C] or TAX 341 [Min Grade: C]

TAX 650 Estate and Gift Taxation 3.0 Credits
Covers taxation of lifetime gifts and decedent's estate, including valuation of property subject to estate and gift taxes.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: TAX 620 [Min Grade: C] or TAX 341 [Min Grade: C]

TAX 651 Estate Planning 3.0 Credits
Covers planning aspects of personal investments and business transactions, with emphasis on the potential impact of federal taxes on the transfer of wealth.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: TAX 650 [Min Grade: C]

TAX 652 Fiduciary Income Taxation 3.0 Credits
Provides an in-depth analysis of Subchapter J of the Internal Revenue Code, with case studies involving both compliance and planning.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: TAX 630 [Min Grade: C] or TAX 342 [Min Grade: C]

TAX 660 Tax Basis for Decision Making 3.0 Credits
Not open to MST students. Offers an overview of personal financial planning.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: TAX 790 [Min Grade: C]

TAX 675 Taxation of Multi-national Corporations 3.0 Credits
Examines provisions of the Internal Revenue Code relating to the taxation of income earned by corporations doing business in the United States and one or more other countries.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

TAX 698 Special Topics in Tax 0.5-9.0 Credits
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit

TAX 699 Independent Study 12.0 Credits
Independent Study.
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit

TAX 723 Tax Accounting 3.0 Credits
Covers accounting periods and methods, allocations among taxpayers, timing of income and deductions, relief provisions, and other accounting aspects of federal taxation.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: TAX 620 [Min Grade: C] or TAX 341 [Min Grade: C]

TAX 730 Taxation of Sub S Corporations 3.0 Credits
Coverts federal income taxation of small business electing Subchapter S status.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: TAX 630 [Min Grade: C] or TAX 342 [Min Grade: C]

TAX 740 State and Local Taxation 3.0 Credits
Covers the various state and local taxes in the tri-state area.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: TAX 620 [Min Grade: C] or TAX 341 [Min Grade: C]

TAX 761 Qualified Retirement Plans 3.0 Credits
Examines the income from qualifes plans, Keoghs, SIMPLEs, 401(k)s, and 403(b)s.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

TAX 781 Tax Fraud & White Collar Crime 3.0 Credits
Covers civil and criminal tax investigations, including administrative summons, document production and constitutional protection, professional responsibilities and ethics for the tax practitioner, and privileged communications.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: TAX 620 [Min Grade: C]

TAX 790 Tax Policy Seminar 3.0 Credits
Open to all graduate students. Analyzes the potential influence of tax laws on taxpayers' behavior and their decision-making ability to extract an arbitrage profit. Requires term paper.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

TAX 791 Tax Seminar 3.0 Credits
Requires each student to choose a provision of the federal tax law and submit a scholarly paper analyzing the legal attributes and tax planning opportunities of the law.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

TAX 999 TAX Independent Study 3.0 Credits
TAX Independent Study.
College/Department: LeBow College of Business
Repeat Status: Can be repeated 3 times for 9 credits

Master of Science in Business Analytics

Master of Science: 45.0 quarter credits

About the Program

The MS in Business Analytics program is designed for students who have an interest in quantitative methods, data analysis, and using computer programs to solve business problems.

Students learn how to access and analyze data for the purpose of improved business decision-making. This program prepares students to make good business decisions with fact-based insights and an understanding of business performance from a systems view, using statistical and quantitative analysis of data as well as explanatory and predictive modeling.

The program draws upon three traditional areas of business intelligence:

- *statistics*, to explore and uncover relationships in data;

- *operations research*, to develop mathematical models for planning and operations; and

- *management information systems*, to access and create databases that support the other two areas.

Additional Information

For additional information about the program, students should contact the Department of Decision Sciences (http://www.lebow.drexel.edu/Faculty/Departments/Decision).

Degree Requirements

Operations Research

OPR 601	Managerial Decision Models and Simulation	3.0
OPR 620	Operations Research I	3.0
Statistics		
STAT 610	Statistics for Business Analytics	3.0
STAT 630	Multivariate Analysis	3.0
STAT 642	Data Mining for Business Analytics	3.0
Management Information Systems		
MIS 612	Aligning Information Systems and Business Strategies	3.0
MIS 630	Inter-Active Decision Support Systems **	3.0
MIS 632	Database Analysis and Design for Business **	3.0
Capstone Project		
BUSN 710	Business Analytics Capstone Project	3.0
Students Select One Concentration***		9.0
Information Systems Concentration		
Select three of the following		
MIS 624	E-Commerce Systems I	
MIS 631	VB.NET Programming	
MIS 633	Predictive Business Analytics with Relational Database Data	
MIS 641	MIS Policy and Strategy	
MIS 650	Management of Health Care Info Systems	
MIS 651	Information Systems Outsourcing Management	
MIS 661	Introduction to Enterprise Application Software using SAP	
MIS 662	Advanced Topics in Enterprise Application Software using SAP	
Statistics Concentration		
Select Three of the Following		
STAT 622	Statistical Decision Theory I	
STAT 624	Statistical Decision Theory II	
STAT 626	Statistical Sampling	
STAT 628	Applied Regression Analysis	
STAT 634	Quality & Six-Sigma	
STAT 636	Experimental Design	
STAT 638	Advanced Statistical Quality Control	
ECON 550	Econometrics	
ECON 560	Time Series Econometrics	
ECON 639	Applied Industrial Analysis	
FIN 642	Business Conditions and Forecasting	
MKTG 606	Customer Analytics	
Modeling Concentration		
Select Three of the Following		
OPR 622	Operations Research II	
OPR 624	Advanced Mathematical Program	
OPR 626	System Simulation	
ECON 548	Mathematical Economics	
ECON 610	Microeconomics	
Functional Area of Business Concentration		

To complete a concentration in one of these fields, the student will develop a plan of study that is mutually approved by the student and the Department Head.

Select three 600-level courses from either: ACCT, FIN, MKTG, POM or ECON	
Free Electives***	9.0
Select three 600-level courses within LeBow.	
Total Credits	**45.0**

*   Prerequisite is STAT 630.

** Students will need to have the prerequisite for this course waived with permission of the instructor.

*** Courses outside LeBow can be substituted with permission from Department Head and/or Associate Dean.

Business Statistics Courses

STAT 601 Business Statistics 3.0 Credits
This course covers the basic principles and implementation techniques of descriptive statistics, sampling, statistical inference, analysis of variance, and regression analysis. An understanding of how these tools can support managerial decision making is emphasized.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

STAT 610 Statistics for Business Analytics 3.0 Credits
This course covers the basic principles and implementation techniques of analysis of variance, simple and multiple regression analysis. An understanding of how these tools can support business analytics is emphasized. The course covers not just methods, but theory, too.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Can enroll if classification is PhD.

STAT 622 Statistical Decision Theory I 3.0 Credits
Covers philosophy and concepts of Bayesian decision techniques; diagramming decision situations; defining decision strategies; minimax, maximin, and expected value principles; measures of utility; value of additional information; optimum sample size; and analysis with discrete and continuous functions.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: STAT 601 [Min Grade: B-]

STAT 624 Statistical Decision Theory II 3.0 Credits
Continues BSTAT 622. Applies principles and techniques of statistical decision theory to case problems.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: STAT 622 [Min Grade: C]

STAT 626 Statistical Sampling 3.0 Credits
Covers random processes; sampling frames; properties of estimators; simple random sampling, stratified sampling, cluster sampling, and stratified cluster sampling; ratio estimates; reliability and validity; and construction of survey instruments.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: STAT 601 [Min Grade: B-]

STAT 628 Applied Regression Analysis 3.0 Credits
Covers techniques used in simple and multiple regression analysis, including residual analysis, assumption violations, variable selection techniques, correlated independent variables, qualitative independent and dependent variables, polynomial and non-linear regression, regression with time-series data and forecasting. Applications related to business decision-making will be emphasized.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: STAT 601 [Min Grade: B-] or STAT 610 [Min Grade: B-]

STAT 630 Multivariate Analysis 3.0 Credits
An introduction to multivariate statistics that focuses on the use of statistical methods for exploring and discovering information in large business datasets. Topics will be drawn from clustering and discriminate analysis for classification, principle components analysis for data exploration and variable reduction, factor analysis for indentifying latent variables, and other traditional multivariate topics.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: STAT 601 [Min Grade: C]

STAT 632 Datamining for Managers 3.0 Credits
Datamining focuses on extracting knowledge from large datasets. This course introduces the student to several key datamining concepts including classification, prediction, data reduction, model comparison and data exploration. Software and datasets are employed to illustrate the concepts.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: STAT 601 [Min Grade: B-]

STAT 634 Quality & Six-Sigma 3.0 Credits
This course covers the current theory and practice in quality, with a focus on Six-Sigma Implementation. Topics will include the dynamic nature of quality, the roles of management in planning and guiding quality efforts, as well as the fundamentals of statistical methods for quality monitoring and improvement.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: STAT 601 [Min Grade: B-]

STAT 636 Experimental Design 3.0 Credits
Introduces design of experiments. Covers topics including scientific approach to experimentation, completely randomized designs, randomized complete block designs, Latin square designs, factorial designs, two-factorial designs, fractional factorials, nested and split plot designs, response surfaces designs, and Taguchi methods.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: STAT 601 [Min Grade: B-]

STAT 638 Advanced Statistical Quality Control 3.0 Credits
Covers advanced topics in statistical process control. Covers topics including cumulative sum (CUSUM) control charts, exponentially weighted moving average (EWMA) control charts, multivariate control charts, economic design and evaluation of control charts, performance specifications, process capability and improvement, and computer applications. Usually includes several guest speakers from service and manufacturing firms.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: STAT 634 [Min Grade: C]

STAT 642 Data Mining for Business Analytics 3.0 Credits
This course introduces students to the methods of data mining and how to apply them to business problems. Included are logistic regression, trees, neural networks, support vector machines, and marketbasket analysis. Data preparation, visualization, and feature selection also are addressed, as are boosting and random forests.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Can enroll if classification is PhD and program is MS or PHD.
Prerequisites: STAT 610 [Min Grade: C]

STAT 698 Special Topics 0.5-9.0 Credits
Provides courses in topics of current interest to faculty and students. May be repeated for credit if topics vary.
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit
Prerequisites: STAT 601 [Min Grade: B-]

STAT 699 Independent Study in Quantitative Methods 12.0 Credits
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit
Prerequisites: STAT 601 [Min Grade: B-]

STAT 790 Seminar in Management Analysis 3.0 Credits
Provides independent research on selected management topics. Requires oral presentation and written report of graduate quality.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: STAT 601 [Min Grade: C]

STAT 792 Seminar in Quality Science 3.0 Credits
Provides independent research on selected topics in quality science. Requires oral presentation and written report of graduate quality.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: STAT 601 [Min Grade: B-]

STAT 920 Stochastic Processes I 3.0 Credits
The focus of this course is on the construction of stochastic models for decision problems and the analysis of their properties. The course introduces Markov Chains and the classification of their convergence, and moves on to queuing models.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: STAT 931 [Min Grade: B-] or STAT 932 [Min Grade: B-]

STAT 922 Statistical Methods in Experimental Design 3.0 Credits
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

STAT 924 Multivariate Analysis 3.0 Credits
An introduction to multivariate statistics with topics that may include but are not limited to Matrix Algebra, the Multivariate Normal Distribution, Multivariate Analysis of Variance, Tests on Covariance Matrices, Discriminant Analysis, Multivariate Regression, Canonical Correlation, Principle Component Analysis, factor Analysis, and Cluster Analysis.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

STAT 931 Statistics for Economics 3.0 Credits
This course will cover the traditional introductory statistics topics; descriptive statistics, probability theory, random variables, discrete and continuous probability distribution, sampling distributions, estimation, and hypothesis testing. Then we'll move on to a more advanced topic: regression analysis.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Can enroll if program is PHD.

STAT 932 Statistics for Behavioral Science 3.0 Credits
This course provides a non-theoretical coverage of common statistics topics for students in the behavioral sciences. These may include, but are not limited to descriptive statistics, probability theory, random variables, discrete and continuous probability distributions, sampling distributions, estimation, hypothesis testing, analysis of variance, & regression. Emphasis is put on and examples are of behavioral topics.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Restrictions: Can enroll if program is PHD.

STAT 990 Special Topics - PhD-Quantitative Methods 0.5-9.0 Credits
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit

STAT 998 Dissertation Research in Statistics 1.0-12.0 Credit
Dissertation Research.
College/Department: LeBow College of Business
Repeat Status: Can be repeated 12 times for 24 credits

STAT 999 STAT Independent Study 3.0 Credits
STAT Independent Study.
College/Department: LeBow College of Business
Repeat Status: Can be repeated 3 times for 9 credits

Management Information Systems Courses

MIS 611 Management Information Systems 3.0 Credits
Provides students with an understanding of current information technology. Emphasizes the state and application of current technology in addressing business problems and the opportunities now and in the future, and addresses the changing role of MIS within the organizational structure.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

MIS 612 Aligning Information Systems and Business Strategies 3.0 Credits
In this course, we will examine a variety of IS issues which are important to organizations, including information systems strategy, impact of IT on organization and work processes, business process reengineering, systems architecture and project management.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

MIS 624 E-Commerce Systems I 3.0 Credits
Examines concepts of the information systems development lifecycle and methods for analyzing user information requirements. Focuses on structured techniques for designing a system, managing its development and testing, performing feasibility analyses, and ensuring both user satisfaction and achievement of functional requirements. Covers techniques such as rapid application development (RAD), prototyping, and joint analysis and design (JAD) in detail. Also covers techniques such as data flow diagramming, logical database design, and user interface design.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

MIS 630 Inter-Active Decision Support Systems 3.0 Credits
Examines the theory of DSS for use in supporting managerial decision making. Also discusses EIS, KBS, data mining, and data warehousing. Describes the benefits of online analytical processing (OLAP) to the organization and how they can be measured. Includes the development and use of DSS by student groups in a case study.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

MIS 631 VB.NET Programming 3.0 Credits
The course gives students a good understanding of the programming and system technical skills they will need to master if they plan to be MIS managers. Students will be able to write applications on a PC covering objects, controls, and database applications.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

MIS 632 Database Analysis and Design for Business 3.0 Credits
Focuses on database analysis and design for a wide range of business functions. Stresses the fundamentals of sound logical database design using techniques such as entity/relationship modeling. Examines the relational database and the object-oriented approaches to database design and handles specific design methods, such as normalization. Also discusses physical database design and data storage methodologies such as raid and hierarchical storage management (HSM). Involves a hands-on orientation with the use of tools such as oracle, Access, and Visual Basic.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

MIS 633 Predictive Business Analytics with Relational Database Data 3.0 Credits
This course introduces students to data mining through Base Programming, applied statistics, and data visualization methods in SAS. In this course, students learn to solve statistical problems rigorously and think critically with data analysis in SAS. Students acquire the analytical skills in SAS programming, capabilities in recognizing data patterns and visualizing the results.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

MIS 641 MIS Policy and Strategy 3.0 Credits
Ties together concepts from all areas of management and the economic, behavioral, functional, and technical aspects of MIS. Defines overall and context-specific information needs of organizations and focuses on the role of MIS in meeting these needs. Examines alternatives for matching MIS department structures and operations to the structures, strategies, and behaviors of organizations. Also investigates, proposes, and analyzes management policy issues relating to the management of the MIS function.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

MIS 650 Management of Health Care Info Systems 3.0 Credits
This course explores the concepts, design, and application of the management of information systems in the modern healthcare environment.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

MIS 651 Information Systems Outsourcing Management 3.0 Credits
The course presents a balances presentation of the risks and benefits of outsourcing and what should be the objectives and mindset of successful outsources. It also discusses the appropriate skill set, how to approach this risky endeavor. Although concentrating on information systems outsourcing, it lessons apply to other types of outsourcing.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

MIS 661 Introduction to Enterprise Application Software using SAP 3.0 Credits
This course introduces students to the SAP Business Suite and the fundamental concepts of enterprise application software. We will use a hands-on, case study approach to exploring SAP ERP (enterprise resource planning) capabilities such as financials, operations and human capital management.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

MIS 662 Advanced Topics in Enterprise Application Software using SAP 3.0 Credits
This course goes beyond the basics of enterprise resource planning (ERP) and explores some of the most advanced and timely topics of enterprise application software, such as analytics / business intelligence, cloud / on-demand computing, "big data" / in-memory computing and mobile applications.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: MIS 661 [Min Grade: D]

MIS 698 Special Topics in Management Information Systems 0.5-9.0 Credits
Provides courses in topics of current interest to faculty and students. May be repeated for credit if topics vary.
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit
Prerequisites: MIS 641 [Min Grade: C]

MIS 699 Independent Study 0.5-6.0 Credits
Independent Study.
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit
Prerequisites: MIS 611 [Min Grade: C] or MIS 641 [Min Grade: C] or MIS 311 [Min Grade: C] or MIS E311 [Min Grade: C] or MIS 511 [Min Grade: C]

MIS 901 Research Seminar in MIS 3.0 Credits
This course provides an introduction to research in the fields of Management Information Systems. It covers classic journal articles in the field, various research methods, and provide a perspective in a major research project during the course.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

MIS 910 Qualitative Research Methods in MIS 3.0 Credits
This course is designed as an introductory seminar on qualitative research as it is used in the fields of information systems. The course balances the acquisition of basic knowledge about the conduct of qualitative research with the application of the knowledge to research on information systems.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: MIS 901 [Min Grade: C]

MIS 920 MIS Adoption & Internalization 3.0 Credits
The objective of this course is to provide doctoral students with a solid foundation in information systems research based on readings and in the area of IS adoption and internalization. Emphasis is placed on doing exemplary research, building theory within this domain and building a career within the academic community.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: MIS 901 [Min Grade: C]

MIS 930 MIS Implementation Management 3.0 Credits
This course reviews key articles about MIS implementation management, identify key theories, appropriate research methodologies, and guide students in writing a research proposal on MIS implementation. The seminar may be a preparation for submitting the dissertation proposal.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit
Prerequisites: MIS 901 [Min Grade: C]

MIS 940 Economics of Information Technology and E-Commerce 3.0 Credits
This seminar looks at research issues in information technologies and systems through applying relevant theories and methods from economics. The topics include the impacts of IT on marketplaces and organizational structures, firm strategies in electronic commerce and the values of IT investments.
College/Department: LeBow College of Business
Repeat Status: Not repeatable for credit

MIS 990 Special Topics in PhD-Management Information Systems 0.5-9.0 Credits
College/Department: LeBow College of Business
Repeat Status: Can be repeated multiple times for credit

MIS 999 MIS Independent Study 3.0 Credits
MIS Independent Study.
College/Department: LeBow College of Business
Repeat Status: Can be repeated 3 times for 9 credits

Operations Management Courses

OPM 998 Dissertation Research in Operations Management 1.0-12.0 Credit
Dissertation Research.
College/Department: LeBow College of Business
Repeat Status: Can be repeated 12 times for 24 credits

Master of Science in Finance

Master of Science: 54.0 quarter credits

About the Program

The MS in Finance program is designed to meet the needs of individuals who plan specialized careers in finance or financial consulting in business or industrial firms, investment management and advisory firms, consulting firms, public accounting firms, or banking and financial institutions.

The program has a more focused curriculum than the MBA, allowing students to expand their understanding of finance for advancement in the field. The program is for those interested in establishing a career in finance or financial services, seeking career advancement or making a career change to the field. Many students ultimately seek to achieve the Chartered Financial Analyst (CFA) designation.

- Like the MBA program, the MS in Finance program can include an internship or consulting experience with an employer in the finance field.
- Due to course sequencing, students enrolling in the MS in Finance program begin in the fall quarter.

Admission Requirements

The following items are required for admissions consideration:

- GMAT score
- Official transcripts from all colleges/universities attended
- Two letters of recommendation
- Personal statement
- Resume

- TOEFL score (for international students)

The admission committee will evaluate your candidacy based on test scores and undergraduate GPA, with some consideration given for work experience. Work experience is preferred and will enhance the composite admission score, but is not mandatory. There is no specific minimum score requirement for GMAT and/or TOEFL as admission is based on a composite score. However, the average GMAT for current graduate students is approximately 600 and TOEFL scores usually exceeds 90.

Please contact Drexel LeBow's Graduate Admissions Office directly with any questions concerning required entrance exams (such as the GMAT), evaluation of undergraduate or graduate records (grades, scores, total years and subjects studied, etc.), and any other issues regarding application to the College's MS in Finance program (http://www.lebow.drexel.edu/resources/admissions/mbams/admissions-standards).

Degree Requirements

Foundation Courses

BUSN 505	Financial Performance of the Firm - Accounting	1.5
BUSN 506	Financial Performance of the Firm - Finance	1.5
BUSN 507	Essentials of Economics I	1.5
BUSN 508	Essentials of Economics II	1.5
Required Core Courses		
STAT 601	Business Statistics	3.0
ECON 601	Managerial Economics	3.0
ACCT 601	Managerial Accounting	3.0
OPR 601	Managerial Decision Models and Simulation	3.0
Required Finance Courses		
FIN 601	Corporate Financial Management	3.0
FIN 602	Advanced Financial Management	3.0
FIN 622	Financial Institutions & Markets	3.0
FIN 626	Investment Management	3.0
FIN 642	Business Conditions and Forecasting	3.0
FIN 790	Seminar in Finance	3.0
or FIN 794	Seminar in Investments	
Elective Graduate Courses [*]		
Select six of the following:		18.0
ECON 614	Macroeconomics	
ECON 630	International Economics	
FIN 624	Risk Management	
FIN 635	Entrepreneurial Finance	
FIN 640	Mergers and Acquisitions	
FIN 648	International Financial Management	
FIN 649	Comparative Financial Analysis	
FIN 650	Derivative Securities	
POM 601	Operations Management	
STAT 622	Statistical Decision Theory I	
STAT 628	Applied Regression Analysis	
TAX 620	Individual Taxation	
TAX 630	Corporate Taxation	
TAX 790	Tax Policy Seminar	

BUSN 698	Special Topics in Business	
Total Credits		**54.0**

*   At least three electives must be finance courses. Courses other than those listed are acceptable with approval of the Finance Department Head or the MS Finance Advisor.
Additional specialization can be achieved by concentrating the six electives in one of the following fields: banking, investments, or systems management.

Master of Science in Leadership

Master of Science: 45.0 quarter credits

About the Program

The MS in Leadership program will be launching in fall of 2014. The program is designed for individuals interested in examining the roles of the individual and business in society. Using a multi-disciplinary approach, students learn to help shape the strategic direction of an organization within its environment. The program combines foundational and core coursework in general business with economics, legal studies, leadership and management to expand a student's ability to aid in long-term planning for business and industry.

Students interested in the program are from diverse backgrounds and industries looking for advancement in their specialization, and need a sound business background to take the next step. This program builds a foundation of general business knowledge while providing tools for examining individual and company roles within society and for strategic planning within their organization.

Program Delivery

- The MS in Leadership is a lockstep program delivered through a blend of face-to-face classes at Drexel University's Malvern, PA campus and through online courses.
- Many of the courses in the MS in Leadership program will be completed with students enrolled in the College's MBA programs.
- New cohorts begin each winter quarter

Curriculum

The curriculum consists of a (1) six-credit foundation in accounting, finance and economics; (2) core coursework in business law, economics, leadership and marketing; (3) a two-course sequence in leadership, legal studies, management and economics. The highlight of the program is a series of capstone courses in sustainability and a project-based course that demonstrates the student's integrated knowledge obtained through the program.

Areas of learning objectives include:

- ethical management
- economics
- integrative thinking
- human resources

Additional Information

For additional information about this program, visit the College's Master of Science in Leadership (http://www.lebow.drexel.edu/Prospects/Masters/Leadership.php) website.

Admission

Designed to optimize leadership potential, the target audience for the MS in Leadership program is a student who: seeks a less quantitative-based and more abstract master's degree than the MBA; is a working professional with over five years of experience in a management or management-track position; has an undergraduate degree in a non-business area of study; is interested in developing (a) general business knowledge; (b) a foundation in leadership; (c) a better understanding of the laws and policies impacting industry, and (d) an ethical approach to decision-making.

Applications are reviewed on a rolling basis, with decisions provided within two weeks of file completion.

All applicants must have earned a four-year bachelor's degree from an accredited college or university to be considered for admission to graduate programs at Drexel University. The Committee reviews applications based on undergraduate record, quality and quantity of professional experience, clarity of career goals, professional references, statement of purpose and professional resume. No standardized test is required for this program.

For more details about how to apply to this program, including deadlines, visit the College's Graduate Admissions (http://www.lebow.drexel.edu/Prospects/Apply/Graduate/HowToApply.php) website.

Degree Requirements

Foundation Courses		
BUSN 505	Financial Performance of the Firm - Accounting	1.5
BUSN 506	Financial Performance of the Firm - Finance	1.5
BUSN 507	Essentials of Economics I	1.5
BUSN 508	Essentials of Economics II	1.5
Core Courses		
BLAW 605	Legal Options in Decision Making	3.0
ECON 601	Managerial Economics	3.0
ORGB 625	Leadership and Professional Development	3.0
MKTG 601	Marketing Strategy & Planning	3.0
Leadership Courses		
ORGB 640	Negotiations for Leaders	3.0
ORGB 631	Leading Effective Organizations	3.0
Legal Studies		
BLAW 620	Legal Aspects of Employment	3.0
BLAW 624	Social Forces and the Law	3.0
Management Courses		
MGMT 640	Strategic Human Resource Management	3.0
MGMT 670	Business Ethics	3.0
Economics		
ECON 698	Special Topics (Economics of Social Justice)	3.0
Capstone Courses		
MGMT 680	Leading for Innovation	3.0

MGMT 698	Special Topics (Sustainability)	3.0
Total Credits		**45.0**

PhD in Business Administration

Doctor of Philosophy: 60.0 quarter credits (Post-Master's)
Doctor of Philosophy: 90.0 quarter credits (Post-Bachelor's)

About the Program

Drexel's PhD in Business Administration program prepares candidates for careers in academic research and teaching. The Drexel program is characterized by a healthy respect for the interrelations among the different branches of knowledge and a close, collaborative relationship between each PhD candidate and the faculty. Lebow's faculty take a hands-on approach to research and mentoring students on a daily basis. The support of LeBow's collaborative, collegial research environment provides our doctoral students with tremendous research opportunities.

The program enables students to complete their doctoral coursework in two years. Students begin specializing in their chosen area during the first year of study. Specializations are available in five areas: accounting, decision sciences, finance, marketing, and management (organization and strategy). For information about doctoral work in economics, please visit the PhD in Economics (http://catalog.drexel.edu/graduate/collegeofbusiness/economics) page.

PhD students complete a minimum of 60.0 quarter credits beyond the master's degree. Students who enter the program without a master's degree must complete 90.0 credits beyond the bachelor's degree. Degree Requirements (http://catalog.drexel.edu/graduate/collegeofbusiness/business/#degreerequirementstext) describe the basic structure of the PhD in Business curriculum.

For additional information about the program visit the PhD Program in Business (http://www.lebow.drexel.edu/Prospects/Doctorate) page.

Admission Requirements/Financial Aid

The LeBow College of Business seeks applicants with exceptional ability and motivation who can succeed in a research-oriented program. Admission to this full-time program is competitive and highly selective. Applicants are only admitted for full-time status. Applicants must specify their proposed area of specialization, and their credentials are ultimately compared to the credentials of other applicants in the same specialization area. There may be relatively few openings in a given area. A master's degree is not a requirement, although most admitted students have one.

In reviewing an applicant's credentials, the faculty consider the following factors:

- *Prior Academic Accomplishments:* The faculty will examine all course work taken prior to application, paying particular attention to the specific courses that have been completed. Applicants should have attained a minimum grade point average of 3.0 (on a 4.0 scale) for all undergraduate course work completed. They also should have attained a minimum 3.3 average for any graduate-level course work taken. The faculty generally expect applicants to demonstrate a substantially higher level of accomplishment than these minimum requirements.
- *Graduate Management Admissions Test (GMAT) or Graduate Records Examination (GRE)*: Applicants to all specializations within the PhD program are required to submit scores from either the GMAT or GRE. While all specializations will accept either one, applicants applying to the Accounting, Management (Organization or Strategy), Finance, or Marketing specializations should submit GMAT scores. Applicants to the specializations in Decision Sciences or Economics should submit the GREs. GMAT and GRE scores are not accepted if they are more than five years old.
- *Test of English as a Foreign Language (TOEFL)*: Applicants whose native language is not English and who have not already received a degree from a U.S. university, must also submit scores from the Test of English as a Foreign Language (TOEFL).
- *Personal Statement/Essay*: Each applicant must submit a personal statement. The personal statement should explain the applicant's educational and personal experiences that have influenced the decision to pursue a PhD and should discuss the candidate's career plans and goals. The faculty are especially interested in learning about an applicant's prior research experience and the commitment to future research in the applicant's area of specialization.
- *Letters of Recommendation*: Two letters of recommendation must be submitted in support of the application. Applicants are strongly encouraged to seek recommendations from academics or other professionals who can assess the applicant's likelihood of success in a research-oriented PhD program.

Admission Procedures

The PhD Program in Business admits students each fall. To be considered for admission, the completed application must be received by the LeBow College of Business Office of Graduate Admissions no later than January 15th. It is the applicant's responsibility to ensure that all transcripts, test scores and letters of recommendation, as well as the application form and the personal statement, are received by Drexel University no later than January 15th.

Assistantships and Financial Aid

The LeBow College of Business strives to provide a graduate assistantship to each entering PhD student. Therefore, each applicant to the PhD program is automatically considered for a graduate assistantship as well as for admissions into the program. First-year graduate assistants are assigned to work with a faculty member on research activities. During the second and subsequent years, graduate assistants are generally assigned a combination of teaching and research responsibilities. Assistants receive a stipend and 27 credits of tuition remission per academic year. Doctoral students who are making satisfactory progress toward the degree can expect to be provided with an assistantship for at least four years.

For questions about applying, please contact:

The LeBow Ph.D. Program Office
Bennett S. LeBow College of Business
Drexel University
3141 Chestnut Street
Philadelphia, PA 19104-2875
lebowphd@drexel.edu

Degree Requirements

60 credits (Post-Master's degree)
90 credits (Post-Bachelor's degree)

- 15.0 credits of core courses
- 30.0 credits of specialization requirements

- 15.0 credits of dissertation research
- 30.0 credits for students without Master's degree

Core Program

PhD students in business select one of two broad streams of research:

- behavioral based research; or
- economics based research.

Within each stream all students pursue a common set of core courses during their first year of study. This core consists of course work in research methodology (three courses) and economics (two courses) or behavioral science (two courses). In addition to these core courses, students also take courses in their specializations during their first year in the program.

Each research stream consists of 5 core courses. All courses are 3.0 credits each.

Economics Stream Core Courses [*]

ECON 902	Mathematical Economics	3.0
ECON 910	Advanced Microeconomics I	3.0
ECON 940	Econometrics I	3.0
ECON 941	Econometrics II	3.0
STAT 931	Statistics for Economics	3.0
Total Credits		**15.0**

[*] Decision Sciences students may make substitutions for the econometrics series. Their research methodology sequences is comprised of Statistics, STAT 924 Multivariate Analysis and OPR 922 Operations Research Methods I.

Economics Stream First Year Core Sequence

Fall		Credits
ECON 902	Mathematical Economics	3.0
STAT 931	Statistics for Economics	3.0
	Term Credits	**6.0**
Winter		
ECON 910	Advanced Microeconomics I	3.0
ECON 940	Econometrics I	3.0
	Term Credits	**6.0**
Spring		
ECON 941	Econometrics II	3.0
	Term Credits	**3.0**

Total Credit: 15.0

Behavioral Stream

Behavioral Stream Core Courses

STAT 924	Multivariate Analysis	3.0
STAT 932	Statistics for Behavioral Science	3.0
MGMT 906	Foundations of Research in Behavioral Science	3.0
MGMT 907	Research Analysis in Behavioral Sciences	3.0
MKTG 940	Multivariate II	3.0
Total Credits		**15.0**

Behavioral Stream First Year Core Sequence

Fall		Credits
MGMT 906	Foundations of Research in Behavioral Science	3.0
STAT 932	Statistics for Behavioral Science	3.0
	Term Credits	**6.0**
Winter		
MGMT 907	Research Analysis in Behavioral Sciences	3.0
STAT 924	Multivariate Analysis	3.0
	Term Credits	**6.0**
Spring		
MKTG 940	Multivariate II	3.0
	Term Credits	**3.0**

Total Credit: 15.0

First-Year Examination

After the completion of the core coursework, students are examined on their competence in the core material and their readiness to proceed to their specialization area.

Specialization

The PhD Program in Business offers specializations in six areas:

- Accounting
- Decision Sciences
- Finance
- Marketing
- Organizational Behavior (Management)
- Strategy (Management)

Each specialization area consists of 10 courses (30 credits) in addition to the 5 stream courses. The courses outside of the stream courses are either department requirements or electives selected by the student with the approval of their PhD coordinator. Up to 3 of the electives may be independent studies or dissertation research courses subject to the approval of the student's PhD coordinator and the Director of the LeBow PhD Program. The requirements of each area of specialization are discussed in detail on the Lebow College of Business PhD Program Areas of Specialization (http://www.lebow.drexel.edu/Prospects/Doctorate/Specialization.php) web page.

Candidacy Examination

At the completion of their coursework, students take written and oral candidacy examinations. These examinations test each student's preparation for dissertation research. Once the candidacy examinations are passed, the student is recognized as a PhD candidate.

Doctoral Dissertation

The doctoral dissertation is a piece of original research designed to make a contribution to the student's chosen discipline. Each candidate selects a dissertation adviser and an advisory committee of additional faculty members is formed. The candidate prepares a detailed dissertation proposal that is defended before the University community. After successfully defending the proposal, the candidate conducts the research (15-credit minimum) and prepares a written dissertation. The completed dissertation is then defended in a final oral examination.

Dissertation Format Review

In addition to meeting the Thesis Advisory Committee's standards of originality and scholarly content, all doctoral dissertations must conform to university format requirements. Students should obtain a copy of the Thesis Manual from the Office of Graduate Studies (http://www.drexel.edu/provost/graduatestudies) or from the Thesis Reviewer in 5038 MacAlister Hall.