



DREXEL UNIVERSITY

School of  
Economics

*LeBow College of Business*

# CATALOG

## 2024-2025

**UNDERGRADUATE**

DREXEL INSTITUTE

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## LeBow College of Business: School of Economics

Economics is one of Drexel LeBow's strongest disciplines. The LeBow College of Business celebrated its strengths in economics teaching and research by elevating its economics department into a School of Economics. The School of Economics will continue Drexel LeBow's commitment to offering a curriculum that is current and challenging, and to conducting research that aligns with business and societal trends and informs policy makers.

A degree, major or minor in Economics provides students with a robust understanding of the workings of the market system and major economic institutions, economic policy and development.

### Degrees

- Behavioral Economics, Business, and Organizations (BS) (p. 3)
- Economic Analysis (BAECON) (p. 8)
- Economics (BSECON) (p. 14)
- Economics and Business (BS) (p. 19)
- Economics and Data Science (BSECDS) in partnership with the College of Computing and Informatics (p. 24)
- Economics and Mathematics (BS) (p. 28)
- Economics and Public Health (BS) (p. 32)

### BS Business Administration (BSBA)

- International Business major (p. 37)

### Accelerated Degrees

- Accelerated Economic Analysis (BA) / Business Administration (MBA) (p. 45)
- Accelerated Economics (BS) / Business Administration (MBA) (p. 50)

### Minors

- Economics (p. 55)
- **NEW:** Econometrics and Data Analytics
- International Business (<https://catalog.drexel.edu/undergraduate/collegeofbusiness/internationalbusinessminor/>)

# Behavioral Economics, Business, and Organizations BS

*Major: Behavioral Economics, Business, and Organizations*

*Degree Awarded: Bachelor of Science (BS)*

*Calendar Type: Quarter*

*Minimum Required Credits: 180.0*

*Co-op Options: Three Co-op (Five years); One Co-op (Four years); No Co-op (Four years)*

*Classification of Instructional Programs (CIP) code: 45.0603*

*Standard Occupational Classification (SOC) code: 15-2051*

## About the Program

The combined major in Behavioral Economics, Business, and Organizations integrates economic modelling with insights from behavioral sciences to analyze and predict human behavior in economic contexts and organizations. The program combines interdisciplinary coursework in economics, psychology, consumer behavior, and organizational behavior with comprehensive training in quantitative and research methods. Students will learn how to model behavior, collect and analyze choice data, conduct experiments, and design interventions to shape individual decisions and organizational outcomes.

With over 50.0 credits in free electives, students enjoy ample flexibility to build their skillset for careers in a wide range of fields. The major provides a strong foundation for students interested in pursuing graduate studies in social and behavioral sciences or business.

## Additional Information

For more information please contact our Undergraduate Advising department at [lebowadv@drexel.edu](mailto:lebowadv@drexel.edu).

### Degree Requirements

University Requirements		4.0
CIVC 101	Introduction to Civic Engagement	1.0
COOP 101	Career Management and Professional Development	1.0
UNIV B101	The Drexel Experience	1.0
UNIV B201 [WI]	Career Management	1.0
General Education Requirements		
COM 230	Techniques of Speaking	3.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
Mathematics and Statistics Requirements		8.0-10.0
Select one of the following math sequences **		
MATH 101	Introduction to Analysis I	
& MATH 102	and Introduction to Analysis II	
or MATH 105	Algebra, Functions, and Trigonometry	
& MATH 121	and Calculus I	
or MATH 116	Calculus and Functions I	
& MATH 117	and Calculus and Functions II	
or MATH 121	Calculus I	
& MATH 122	and Calculus II	
ECON 350 [WI]	Applied Econometrics	4.0
ECON 370	Experiments and Causality in Economics	4.0
STAT 201	Introduction to Business Statistics	4.0
or MATH 311	Probability and Statistics I	
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 322 [WI]	Economics Seminar	4.0
Behavioral Economics Requirements		
ECON 365	Behavioral Economics	4.0
ECON 366	Topics in Behavioral Economics	4.0
Behavioral Science and Business Requirements		

MKTG 201	Introduction to Marketing Management	4.0
MKTG 356	Consumer Behavior	4.0
ORGB 300 [WI]	Organizational Behavior	4.0
PSY 101	General Psychology I	3.0
or PSY 111	Foundations of Psychological Science for Majors I	

**Behavioral Economics Electives**

Choose a minimum of 8 credits from the following 8.0

ECON 324	Economics of Happiness
ECON 330	Managerial Economics
ECON 334	Public Finance
ECON 336	Labor Economics
ECON 361	Health Economics
FIN 150	Financial Literacy
PSY 150	Introduction to Social Psychology
PSY 250 [WI]	Industrial Psychology

**Behavioral Science and Business Electives**

A total of 5 courses must be chosen. 16.0

Choose at least 3 courses from the following

MKTG 326	Marketing Insights
MKTG 367	Data-Driven Digital Marketing
MGMT 301	Designing Innovative Organizations
ORGB 320	Leadership: Theory and Practice
ORGB 370	Dynamic Team Consulting
ORGB 400	Team Development and Leadership
ORGB 420	Negotiations and Conflict Resolution
PSY 312	Cognitive Neuroscience
PSY 330	Cognitive Psychology

You can choose up to 2 courses from the following

ENTP 225 [WI]	Mindfulness & Wellbeing
ENTP 270	Social Entrepreneurship
SOC 318	Social Networks and Health
WGST 324	Retail Intersections: Social & Cultural Issues

**Empirical/Research Methods Elective**

Choose 1 course from the following: 3.0

ECON 270	Using Big Data to Solve Economic and Social Problems
INFO 371	Data Mining Applications
MKTG 366	Customer Analytics
STAT 331	Introduction to Data Mining for Business
STAT 335	Introduction to Experimental Design

**Economics Electives**

A total of 16 credits must be chosen. Any ECON course from the above categories can be chosen if it is not used to fulfill the corresponding category requirements. 16.0

ECON 203 [WI]	Survey of Economic Policy
ECON 248	Mathematical Models in Economics
ECON 260	Economics of Small Business
ECON 321	Macroeconomics
ECON 324	Economics of Happiness
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 354	Money and Banking
ECON 360	Time Series Econometrics
ECON 361	Health Economics
ECON T480	Special Topics in 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	
INTB 440	Seminar in International Business	
SMT 320	Sport Economics	
<b>Free Electives</b>		<b>54.0</b>
<b>Total Credits</b>		<b>180.0-182.0</b>

\*

Students not participating in co-op will not take COOP 101; 1 credit of Free electives will be added in place of COOP 101.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Students who elect higher credit courses will have fewer free electives

\*\*

For the MATH 121 & MATH 122 sequence, any other MATH course with a minimum of 4 credits can be used as a substitute for MATH 122. Some students who select the MATH 116 & MATH 117 sequence may need a one-credit concurrent practicum course depending on their calculus exam score and summer preparatory review participation.

## 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 (<https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list>) at the University Writing Program (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/>). (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/>) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

## Sample Plan of Study

### 5 Year 3 Coop

<b>First Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
CIVC 101	1.0 ECON 202	4.0 COM 230	3.0 VACATION	
ECON 201	4.0 ECON 270 (or Free elective)	4.0 COOP 101**	1.0	
ENGL 101 or 111	3.0 MATH 102, 121, or 117*	4.0 ECON 203 (or Free elective)	4.0	
MATH 101, 105, 116, or 121*	4.0-6.0 ENGL 102 or 112	3.0 ENGL 103 or 113	3.0	
PSY 101	3.0	Free elective	3.0	
UNIV B101	1.0			
	<b>16-18</b>	<b>15</b>	<b>14</b>	<b>0</b>
<b>Second Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
ECON 301	4.0 ECON 250	4.0 COOP EXPERIENCE	COOP EXPERIENCE	
MKTG 201	4.0 ECON 350	4.0		
PSY 330 (or Behavioral Science and Business elective)	3.0 ECON 365	4.0		
STAT 201	4.0 MKTG 356	4.0		
	<b>15</b>	<b>16</b>	<b>0</b>	<b>0</b>
<b>Third Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
ECON 366	4.0 Behavioral Science and Business electives	8.0 COOP EXPERIENCE	COOP EXPERIENCE	
ECON 370	4.0 Empirical-Research elective/Free elective	4.0		
ORGB 300	4.0 Free elective	3.0		

Free elective	3.0			
	<b>15</b>	<b>15</b>	<b>0</b>	<b>0</b>
<b>Fourth Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
Behavioral Economics elective	4.0 Behavioral Economics elective	4.0 COOP EXPERIENCE	COOP EXPERIENCE	
Behavioral Science and Business elective	4.0 Behavioral Science and Business elective	4.0		
ECON elective	4.0 ECON elective	4.0		
Free elective	3.0 Free elective	3.0		
	<b>15</b>	<b>15</b>	<b>0</b>	<b>0</b>
<b>Fifth Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits</b>	
UNIV B201	1.0 ECON 322	4.0 Free electives	13.0	
ECON elective	4.0 ECON elective/Free elective	4.0		
Free electives	10.0 Free electives	8.0		
	<b>15</b>	<b>16</b>	<b>13</b>	
<b>Total Credits 180-182</b>				

\*

Suggested MATH sequences are: MATH 101 & MATH 102; MATH 105 & MATH 121; MATH 116 & MATH 117; MATH 121 & one other MATH course numbered 122 or higher.

\*\*

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

## 4 Year 1 Coop

<b>First Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
CIVC 101	1.0 ECON 202	4.0 COM 230	3.0 VACATION	
ECON 201	4.0 ECON 270 (or Free elective)	4.0 COOP 101**	1.0	
ENGL 101 or 111	3.0 ENGL 102 or 112	3.0 ECON 203 (or Free elective)	4.0	
MATH 101, 105, 116, or 121*	4.0-6.0 MATH 102, 121, or 117*	4.0 ENGL 103 or 113	3.0	
UNIV B101	1.0	Free elective	3.0	
PSY 101	3.0			
	<b>16-18</b>	<b>15</b>	<b>14</b>	<b>0</b>
<b>Second Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
ECON 301	4.0 ECON 250	4.0 Behavioral Science and Business electives	8.0 Behavioral Economics elective	4.0
MKTG 201	4.0 ECON 350	4.0 Empirical-Research elective/Free elective	4.0 Behavioral Science and Business elective	4.0
PSY 330 (or Behavioral Science and Business elective)	3.0 ECON 365	4.0 Free elective	3.0 ECON elective	4.0
STAT 201	4.0 MKTG 356	4.0	Free elective	3.0
	<b>15</b>	<b>16</b>	<b>15</b>	<b>15</b>
<b>Third Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
ECON 366	4.0 Behavioral Economics elective	4.0 COOP EXPERIENCE	COOP EXPERIENCE	
ECON 370	4.0 Behavioral Science and Business elective	4.0		
ORGB 300	4.0 ECON elective	4.0		
Free elective	3.0 Free elective	3.0		
	<b>15</b>	<b>15</b>	<b>0</b>	<b>0</b>
<b>Fourth Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits</b>	
UNIV B201	1.0 ECON 322	4.0 Free electives	13.0	

ECON elective	4.0 ECON elective/Free elective	4.0	
Free electives	10.0 Free electives	8.0	
	<b>15</b>	<b>16</b>	<b>13</b>

**Total Credits 180-182**

\*

Suggested MATH sequences are: MATH 101 & MATH 102; MATH 105 & MATH 121; MATH 116 & MATH 117; MATH 121 & one other MATH course numbered 122 or higher.

\*\*

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

## 4 Year No Coop

### First Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CIVC 101	1.0 ECON 202	4.0 COM 230	3.0 VACATION	
ECON 201	4.0 ECON 270 (or Free elective)	4.0 ENGL 103 or 113	3.0	
ENGL 101 or 111	3.0 ENGL 102 or 112	3.0 ECON 203 (or Free elective)	4.0	
MATH 101, 105, 116, or 121 <sup>*</sup>	4.0-6.0 MATH 102, 121, or 117 <sup>*</sup>	4.0 Free Elective	4.0	
PSY 101	3.0			
UNIV B101	1.0			
	<b>16-18</b>	<b>15</b>	<b>14</b>	<b>0</b>

### Second Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ECON 301	4.0 ECON 250	4.0 Behavioral Science and Business elective	4.0 VACATION	
STAT 201	4.0 ECON 350	4.0 Behavioral Science and Business elective	4.0	
PSY 330 (or Behavioral Science and Business elective)	3.0 ECON 365	4.0 Empirical-Research elective/Free elective	4.0	
MKTG 201	4.0 MKTG 356	4.0 Free elective	3.0	
	<b>15</b>	<b>16</b>	<b>15</b>	<b>0</b>

### Third Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ECON 366	4.0 Behavioral Economics elective	4.0 Behavioral Economics elective	4.0 VACATION	
ECON 370	4.0 Behavioral Science and Business elective	4.0 Behavioral Science and Business elective	4.0	
ORGB 300	4.0 ECON elective	4.0 ECON elective	4.0	
Free elective	3.0 Free elective	3.0 Free elective	3.0	
	<b>15</b>	<b>15</b>	<b>15</b>	<b>0</b>

### Fourth Year

Fall	Credits Winter	Credits Spring	Credits
UNIV B201	1.0 ECON 322	4.0 Free electives	13.0
ECON elective	4.0 ECON elective/Free elective	4.0	
Free electives	10.0 Free electives	8.0	
	<b>15</b>	<b>16</b>	<b>13</b>

**Total Credits 180-182**

\*

Suggested MATH sequences are: MATH 101 & MATH 102; MATH 105 & MATH 121; MATH 116 & MATH 117; MATH 121 & one other MATH course numbered 122 or higher.

## Program Level Outcomes

Students will be able to use and formulate behavioral economic theories to analyze individual and organizational behavior.



# Economic Analysis BAECON

*Major: Economic Analysis*

*Degree Awarded: Bachelor of Arts in Economics (BAECON)*

*Calendar Type: Quarter*

*Minimum Required Credits: 180.0*

*Co-op Options: Three Co-op (Five years); One Co-op (Four years); No Co-op (Four years)*

*Classification of Instructional Programs (CIP) code: 45.0601*

*Standard Occupational Classification (SOC) code: 19-3011*

## About the Program

The Bachelor of Arts in Economics introduces students to modern economics within the context of a broad liberal arts curriculum. The degree is well suited for students interested in the relation of economics to the other social science disciplines and humanities, and it provides an even broader liberal arts education than the Bachelor of Science in Economics. The BA in Economics offers students the flexibility to combine their studies in economics with a major or minor in another field of study.

## Additional Information

For more information please contact our Undergraduate Advising department at [lebowadv@drexel.edu](mailto:lebowadv@drexel.edu) ([lebowgradenroll@drexel.edu](mailto:lebowgradenroll@drexel.edu)).

## Degree Requirements

### General Education Requirements

CIVC 101	Introduction to Civic Engagement	1.0
COM 270 [WI] or COM 230	Business Communication Techniques of Speaking	3.0
COOP 101	Career Management and Professional Development *	1.0
ENGL 101 or ENGL 111	Composition and Rhetoric I: Inquiry and Exploratory Research English Composition I	3.0
ENGL 102 or ENGL 112	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing English Composition II	3.0
ENGL 103 or ENGL 113	Composition and Rhetoric III: Themes and Genres English Composition III	3.0
UNIV B101	The Drexel Experience	1.0
UNIV B201 [WI]	Career Management	1.0
Natural Science electives **		3.0-4.0
Culture & Diversity electives ***		3.0-4.0
Social & Behavioral Sciences electives †		6.0-8.0
International Studies electives ††		3.0-4.0
Humanities & Fine Arts electives ^		6.0
Choose One Math Sequence: ^^		8.0-10.0
MATH 101 & MATH 102 or MATH 105 & MATH 121 or MATH 116 & MATH 117 or MATH 121 & MATH 122	Introduction to Analysis I and Introduction to Analysis II Algebra, Functions, and Trigonometry and Calculus I Calculus and Functions I and Calculus and Functions II Calculus I and Calculus II	
STAT 201	Introduction to Business Statistics	4.0

### 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

### Economics Electives

**32.0**

Select at least 32 credits from the following:

ECON 203 [WI]	Survey of Economic Policy
ECON 248	Mathematical Models in Economics
ECON 260	Economics of Small Business

ECON 270	Using Big Data to Solve Economic and Social Problems	
ECON 324	Economics of Happiness	
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 348	Mathematical Economics	
ECON 350 [WI]	Applied Econometrics	
ECON 351	Resource and Environmental Economics	
ECON 354	Money and Banking	
ECON 360	Time Series Econometrics	
ECON 361	Health Economics	
ECON 365	Behavioral Economics	
ECON 366	Topics in Behavioral Economics	
ECON 370	Experiments and Causality in 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	
INTB 440	Seminar in International Business	
SMT 320	Sport Economics	
Free Electives		71.0
Total Credits		180.0-187.0

\*  
Students not participating in COOP will take an extra Free Elective credit in place of COOP 101.

\*\*  
Bioscience and Biotechnology (BIO), Chemistry (CHEM), Physics (PHYS), Geoscience (GEO), Environmental Science (ENVS), Environmental Studies and Sustainability (ENSS), Physics-Environmental Science (PHEV)

\*\*\*  
Students should contact the School of Economics for a list of courses that fulfill this requirement.

†  
Sociology (SOC), Psychology (PSY), Anthropology (ANTH), Political Science (PSCI), Criminology and Justice Studies (CJS), History (HIST), Science Technology and Society (SCTS)

††  
Global Studies (GST), International Business (INTB)

^  
Art History (ARTH), Communication (COM), Foreign Languages, English (ENGL), Music (MUSC), Philosophy (PHIL), Religious Studies (RELS), Theater (THTR), Africana Studies (AFAS), Middle Eastern and North African Studies (MENA), Jewish Studies (JWST), Women's and Gender Studies (WGST), Linguistics (LING), Writing (WRIT)

^^  
For the MATH 121 & MATH 122 sequence, any other MATH course with a minimum of 4 credits can be used as a substitute for MATH 122. Some students who select the MATH 116 & MATH 117 sequence may need a one-credit concurrent practicum course depending on their calculus exam score and summer preparatory review participation.

## 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 (<https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list>) at the University Writing Program (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/>). ([http://drexel.edu/coas/academics/departments-centers/english-](http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/)

philosophy/university-writing-program/drexel-writing-center/) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

## Sample Plan of Study

### 4 year, no co-op

First Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CIVC 101	1.0 ECON 202	4.0 COM 270 or 230	3.0 VACATION	
ECON 201	4.0 ENGL 102 or 112	3.0 ENGL 103 or 113	3.0	
ENGL 101 or 111	3.0 ECON Elective (270 Recommended)	4.0 ECON Elective (203 Recommended)	4.0	
UNIV B101	1.0 Math Sequence Course *	4.0-5.0 Natural Sciences Elective	3.0-4.0	
Math Sequence Course *	4.0-5.0	Social & Behavioral Sciences electives	3.0-4.0	
	<b>13-14</b>	<b>15-16</b>	<b>16-18</b>	<b>0</b>
Second Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ECON 301	4.0 ECON 321	4.0 ECON 250	4.0 VACATION	
STAT 201	4.0 Humanities & Fine Arts electives	3.0 Culture & Diversity electives	3.0-4.0	
Humanities & Fine Arts electives	3.0 Free Elective	5.0 Free Elective	8.0	
Free Elective	4.0			
	<b>15</b>	<b>12</b>	<b>15-16</b>	<b>0</b>
Third Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ECON 326	4.0 ECON Elective	4.0 ECON Elective	4.0 VACATION	
ECON Elective	4.0 Social & Behavioral Sciences Elective	3.0-4.0 Free Elective	12.0	
International Studies elective	3.0-4.0 Free Elective	7.0		
Free Elective	4.0			
	<b>15-16</b>	<b>14-15</b>	<b>16</b>	<b>0</b>
Fourth Year				
Fall	Credits Winter	Credits Spring	Credits	
UNIV B201	1.0 ECON Elective	4.0 ECON 322	4.0	
ECON Elective	4.0 Free Electives	12.0 ECON Elective	4.0	
Free Elective	12.0	Free Electives	8.0	
	<b>17</b>	<b>16</b>	<b>16</b>	

**Total Credits 180-187**

\*

Suggested MATH sequences are: MATH 101 & MATH 102; MATH 105 & MATH 121; MATH 116 & MATH 117; MATH 121 & one other MATH course numbered 122 or higher.

### 4 year, one co-op

First Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CIVC 101	1.0 ECON 202	4.0 COM 270 or 230	3.0 VACATION	
ECON 201	4.0 ENGL 102 or 112	3.0 ENGL 103 or 113	3.0	
ENGL 101 or 111	3.0 ECON Elective (270 Recommended)	4.0 ECON Elective (203 Recommended)	4.0	
UNIV B101	1.0 Math Sequence *	4.0-5.0 Social & Behavioral Sciences elective	3.0-4.0	
Math Sequence *	4.0-5.0			
	<b>13-14</b>	<b>15-16</b>	<b>13-14</b>	<b>0</b>
Second Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ECON 301	4.0 ECON 321	4.0 ECON 250	4.0 COOP 101 **	1.0
STAT 201	4.0 Humanities & Fine Arts electives	6.0 Culture & Diversity electives	3.0-4.0 ECON Elective	4.0

Social & Behavioral Sciences electives	3.0-4.0 Natural Sciences Elective	3.0-4.0 ECON Elective	8.0 International studies elective	3.0-4.0
Free Elective	4.0 Free Elective	4.0	Free Elective	8.0
	<b>15-16</b>	<b>17-18</b>	<b>15-16</b>	<b>16-17</b>
<b>Third Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
ECON 326	4.0 Free Electives	12.0 COOP EXPERIENCE	COOP EXPERIENCE	
ECON Elective	4.0			
Free Electives	8.0			
	<b>16</b>	<b>12</b>	<b>0</b>	<b>0</b>
<b>Fourth Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits</b>	
UNIV B201	1.0 ECON Elective	4.0 ECON 322	4.0	
ECON Elective	4.0 Free Electives	12.0 Free Elective	12.0	
Free Electives	11.0			
	<b>16</b>	<b>16</b>	<b>16</b>	
<b>Total Credits 180-187</b>				

\*

Suggested MATH sequences are: MATH 101 & MATH 102; MATH 105 & MATH 121; MATH 116 & MATH 117; MATH 121 & one other MATH course numbered 122 or higher.

\*\*

Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

## 5 year, 3 co-op

<b>First Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
CIVC 101	1.0 ECON 202	4.0 COM 270 or 230	3.0 VACATION	
ECON 201	4.0 ENGL 102 or 112	3.0 COOP 101**	1.0	
ENGL 101 or 111	3.0 ECON Elective (270 Recommended)	4.0 ENGL 103 or 113	3.0	
UNIV B101	1.0 Math Sequence *	4.0-5.0 ECON Elective (203 Recommended)	4.0	
Math Sequence *	4.0-5.0	Social & Behavioral Sciences Elective	3.0-4.0	
	<b>13-14</b>	<b>15-16</b>	<b>14-15</b>	<b>0</b>
<b>Second Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
ECON 301	4.0 ECON 321	4.0 COOP EXPERIENCE	COOP EXPERIENCE	
STAT 201	4.0 Humanities & Fine Arts electives	6.0		
Social & Behavioral Sciences Elective	3.0-4.0 Natural Sciences Elective	3.0-4.0		
Free Elective	4.0 Free Elective	4.0		
	<b>15-16</b>	<b>17-18</b>	<b>0</b>	<b>0</b>
<b>Third Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
ECON 250	4.0 ECON Elective	4.0 COOP EXPERIENCE	COOP EXPERIENCE	
Culture & Diversity electives	3.0-4.0 International studies elective	3.0-4.0		
ECON Elective	8.0 Free Elective	8.0		
	<b>15-16</b>	<b>15-16</b>	<b>0</b>	<b>0</b>
<b>Fourth Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
ECON 326	4.0 Free Elective	12.0 COOP EXPERIENCE	COOP EXPERIENCE	
ECON Elective	4.0			
Free Elective	8.0			
	<b>16</b>	<b>12</b>	<b>0</b>	<b>0</b>

**Fifth Year**

<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits</b>
UNIV B201	1.0 ECON Elective	4.0 ECON 322	4.0
ECON Elective	4.0 Free Elective	12.0 Free Elective	12.0
Free Elective	11.0		
	<b>16</b>	<b>16</b>	<b>16</b>

**Total Credits 180-187**

\*

Suggested MATH sequences are: MATH 101 & MATH 102; MATH 105 & MATH 121; MATH 116 & MATH 117; MATH 121 & one other MATH course numbered 122 or higher.

\*\*

Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

## 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 Public Health
- 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 Data Science
- 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.

## Program Level Outcomes

- Student will understand how to build their career.
- Student will be able to express ideas clearly in writing.
- Upon graduation, students will understand the foundational ideas and methods of modern economics.
- Students will be able to evaluate economic issues in light of alternative economic theories.

## School of Economics Faculty

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

Patricia Awerbuch, MBA (*Drexel University*). Associate Clinical Professor. Distance learning, environmental economics.

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

Sebastien Bradley, PhD (*University of Michigan*). Associate Professor. Public finance, tax policy, behavioral response to taxation.

Mian Dai, PhD (*Northwestern University*). Associate Professor. Industrial organization.

Pia DiGirolamo, PhD (*Purdue University*). Associate Clinical Professor. Forensic economics, distance learning.

Shawkat M. Hammoudeh, PhD (*University of Kansas*). Professor. Energy economics, environmental economics, financial economics.

Teresa Harrison, PhD (*University of Texas Austin*) *Academic Director of the Center for Nonprofit Governance*. Professor. Economics of nonprofits, empirical industrial organization, applied microeconometrics.

Paul E. Jensen, PhD (*Penn State University*) *Nina Henderson Provost*. Professor. International trade.

Bang Nam Jeon, PhD (*Indiana University*) *Department of Economics and International Business*. Professor. Financial economics, the Korean economy, currency crises, FDI, regional economic integration and newly industrializing economies.

Stephen Joyce, MA (*Temple University*). Assistant Clinical Professor. Education and human capital.

Andre Kurmann, PhD (*University of Virginia*). Professor. Computational economics, financial economics, labor economics, macroeconomics, monetary economics.

Ohyun Kwon, PhD (*University of Wisconsin, Madison*). Assistant Professor. International trade and trade agreements.

Christopher A. Laincz, PhD (*Duke University*). Associate Professor. Macroeconomics, economic growth, developing nations, economics of innovation.

Vibhas Madan, PhD (*Michigan State University*) *R John Chapel Jr. Dean*. Professor. International trade theory, applied microeconomics.

Roger A. McCain, PhD (*Louisiana State University*). Professor. Computational economics, game theory.

Eydis Olsen-Robinson, MA (*American University*). Associate Clinical Professor. International business, banking.

Tristan Potter, PhD (*Boston College*). Associate Professor. Macroeconomics, labor.

Konstantinos Serfes, PhD (*University of Illinois at Champaign-Urbana*). Professor. Industrial organization; microeconomics; game theory

Ricardo Serrano-Padial, PhD (*University of California at San Diego*). Associate Professor. Microeconomic theory, information economics with applications in finance, macroeconomics, industrial organization.

Mark Stehr, BS, PhD (*University of California at Berkeley*) *Director, School of Economics*. Professor. Department of Health Management and Policy. School of Economics in the LeBow College of Business. Health policy, health economics; data analysis methods.

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

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

## Emeritus Faculty

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

## Economics BSECON

*Major: Economics*

*Degree Awarded: Bachelor of Science in Economics (BSECON)*

*Calendar Type: Quarter*

*Minimum Required Credits: 180.0*

*Co-op Options: Three Co-op (Five years); One Co-op (Four years); No Co-op (Four years)*

*Classification of Instructional Programs (CIP) code: 45.0603*

*Standard Occupational Classification (SOC) code: 19-3011*

## About the Program

Drexel LeBow's STEM-designated Bachelor of Science in Economics provides a broad education with a focus on quantitative methods and professional skills. A large number of free electives allows students the freedom to develop in-depth knowledge in a secondary field outside of economics by pursuing a minor or double major. Upon graduation, students are well prepared for successful careers in business, public service and institutions tasked with addressing society's greatest challenges.

## Additional Information

For more information please contact our Undergraduate Advising department at [lebowadv@drexel.edu](mailto:lebowadv@drexel.edu).

## Degree Requirements

### General education requirements

CIVC 101	Introduction to Civic Engagement	1.0
COOP 101	Career Management and Professional Development *	1.0
UNIV B101	The Drexel Experience	1.0
UNIV B201 [WI]	Career Management	1.0
ENGL 101 or ENGL 111	Composition and Rhetoric I: Inquiry and Exploratory Research English Composition I	3.0
ENGL 102 or ENGL 112	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing English Composition II	3.0
ENGL 103 or ENGL 113	Composition and Rhetoric III: Themes and Genres English Composition III	3.0
COM 270 [WI] or COM 230	Business Communication Techniques of Speaking	3.0
CS 150 or CS 164	Computer Science Principles Introduction to Computer Science	3.0

or CS 171	Computer Programming I	
STAT 201	Introduction to Business Statistics	4.0
or MATH 311	Probability and Statistics I	
STAT 202	Business Statistics II	4.0
or MATH 312	Probability and Statistics II	
<b>Select one of the following math sequences: **</b>		<b>8.0-10.0</b>
MATH 101 & MATH 102	Introduction to Analysis I and Introduction to Analysis II ††	
or MATH 105 & MATH 121	Algebra, Functions, and Trigonometry and Calculus I	
or MATH 116 & MATH 117	Calculus and Functions I and Calculus and Functions II	
or MATH 121 & MATH 122	Calculus I and Calculus II	
Science Elective (BIO, CHEM, PHYS)		3.0
General Education Elective (ANTH, ENGL, PHIL, PSY or SOC)		3.0
<b>Economics Requirements</b>		
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
or ECON 370	Experiments and Causality in Economics	
<b>Economics Electives</b>		<b>28.0</b>
Select 28.0 credits from any of the following:		
ECON 203 [WI]	Survey of Economic Policy	
ECON 248	Mathematical Models in Economics	
ECON 260	Economics of Small Business	
ECON 270	Using Big Data to Solve Economic and Social Problems	
ECON 324	Economics of Happiness	
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 348	Mathematical Economics	
ECON 351	Resource and Environmental Economics	
ECON 354	Money and Banking	
ECON 360	Time Series Econometrics	
ECON 361	Health Economics	
ECON 365	Behavioral Economics	
ECON 366	Topics in Behavioral Economics	
ECON 370	Experiments and Causality in Economics	
ECON 380	Economic Crises: The American Experience	
ECON T480	Special Topics in 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	
INTB 440	Seminar in International Business	
SMT 320	Sport Economics	
<b>Free electives</b>		<b>79.0</b>
<b>Total Credits</b>		<b>180.0-182.0</b>

\*

Students not participating in COOP will take an extra Free Elective credit in place of COOP 101

\*\*

For the MATH 121 & MATH 122 sequence, any other MATH course with a minimum of 4 credits can be used as a substitute for MATH 122. Some students who select the MATH 116 & MATH 117 sequence may need a one-credit concurrent practicum course depending on their calculus exam score and summer preparatory review participation.

## 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 (<https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list>) at the University Writing Program (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/>). (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/>) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

## Sample Plan of Study

### 4 year, no co-op

#### First Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CIVC 101	1.0 ECON 202	4.0 ENGL 103 or 113	3.0 VACATION	
CS 150, 164, or 171	3.0 ENGL 102 or 112	3.0 ECON Elective **	4.0	
ECON 201	4.0 ECON Elective *	4.0 General Education Elective	3.0	
ENGL 101 or 111	3.0 MATH 102, 117, or 122 <sup>††</sup>	4.0 Free Elective	3.0	
MATH 101, 105, 116, or 121 <sup>††</sup>	4.0-6.0			
UNIV B101	1.0			
	<b>16-18</b>	<b>15</b>	<b>13</b>	<b>0</b>

#### Second Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ECON 301	4.0 COM 230 or 270	3.0 ECON 250	4.0 VACATION	
STAT 201 or MATH 311	4.0 ECON 321	4.0 Free Electives	11.0	
Science Elective	3.0 ECON 350	4.0		
Free Elective	4.0 STAT 202 or MATH 312	4.0		
	<b>15</b>	<b>15</b>	<b>15</b>	<b>0</b>

#### Third Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ECON 360 or 370	4.0 ECON Elective	4.0 ECON Elective	4.0 VACATION	
ECON Elective	4.0 Free Electives	12.0 Free Electives	12.0	
Free Electives	7.0			
	<b>15</b>	<b>16</b>	<b>16</b>	<b>0</b>

#### Fourth Year

Fall	Credits Winter	Credits Spring	Credits
ECON Elective	4.0 ECON Elective	4.0 ECON 322	4.0
UNIV B201	1.0 Free Electives	12.0 Free Electives	8.0
Free Electives	11.0		
	<b>16</b>	<b>16</b>	<b>12</b>

Total Credits 180-182

\*

ECON 270 recommended

\*\*

ECON 203 [WI] recommended

††

Suggested MATH sequences are: MATH 101 & MATH 102; MATH 105 & MATH 121; MATH 116 & MATH 117; MATH 121 & one other MATH course numbered MATH 122 or higher.

## 4 year, 1 co-op

### First Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CIVC 101	1.0 ECON 202	4.0 COOP 101**	1.0 VACATION	
CS 150, 164, or 171	3.0 ENGL 102 or 112	3.0 ENGL 103 or 113	3.0	
ECON 201	4.0 ECON Elective*	4.0 ECON Elective***	4.0	
ENGL 101 or 111	3.0 MATH 102, 117, or 122††	4.0 Free Elective	4.0	
MATH 101, 105, 116, or 121††	4.0-6.0	General Education Elective	3.0	
UNIV B101	1.0			
	<b>16-18</b>	<b>15</b>	<b>15</b>	<b>0</b>

### Second Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ECON 301	4.0 COM 230 or 270	3.0 ECON 250	4.0 ECON Elective	4.0
STAT 201 or MATH 311	4.0 ECON 321	4.0 Free Electives	7.0 Free Electives	8.0
Science Elective	3.0 ECON 350	4.0 ECON Elective	4.0	
Free Elective	4.0 STAT 202 or MATH 312	4.0		
	<b>15</b>	<b>15</b>	<b>15</b>	<b>12</b>

### Third Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ECON 360 or 370	4.0 ECON Elective	4.0 COOP EXPERIENCE	COOP EXPERIENCE	
Free Elective	12.0 Free Elective	12.0		
	<b>16</b>	<b>16</b>	<b>0</b>	<b>0</b>

### Fourth Year

Fall	Credits Winter	Credits Spring	Credits
UNIV B201	1.0 ECON Elective	4.0 ECON 322	4.0
ECON Elective	4.0 Free Electives	12.0 Free Electives	9.0
Free Electives	11.0		
	<b>16</b>	<b>16</b>	<b>13</b>

Total Credits 180-182

\*

ECON 270 recommended

\*\*

Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

\*\*\*

ECON 203 [WI] recommended

††

Suggested MATH sequences are: MATH 101 & MATH 102; MATH 105 & MATH 121; MATH 116 & MATH 117; MATH 121 & one other MATH course numbered MATH 122 or higher.

## 5 year, 3 co-op

### First Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CIVC 101	1.0 ECON 202	4.0 COOP 101**	1.0 VACATION	
CS 150, 164, or 171	3.0 ENGL 102 or 112	3.0 ENGL 103 or 113	3.0	
ECON 201	4.0 ECON Elective*	4.0 ECON Elective***	4.0	
ENGL 101 or 111	3.0 MATH 102, 117, or 122††	4.0 Free Elective	4.0	
UNIV B101	1.0	General Education Elective	3.0	



MATH 101, 105, 116, or 121 <sup>††</sup>	4.0-6.0			
	16-18	15	15	0
<b>Second Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
ECON 301	4.0 COM 230 or 270	3.0 COOP EXPERIENCE	COOP EXPERIENCE	
STAT 201 or MATH 311	4.0 ECON 321	4.0		
Science Course	3.0 ECON 350	4.0		
Free Elective	4.0 STAT 202 or MATH 312	4.0		
	15	15	0	0
<b>Third Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
ECON 250	4.0 ECON 360 or 370	4.0 COOP EXPERIENCE	COOP EXPERIENCE	
ECON Elective	4.0 ECON Elective	4.0		
Free Electives	8.0 Free Electives	7.0		
	16	15	0	0
<b>Fourth Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
Economics electives	4.0 ECON Elective	4.0 COOP EXPERIENCE	COOP EXPERIENCE	
Free Electives	11.0 Free Electives	11.0		
	15	15	0	0
<b>Fifth Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits</b>	
UNIV B201	1.0 ECON Elective	4.0 ECON 322	4.0	
ECON Elective	4.0 Free Electives	11.0 Free Electives	8.0	
Free Electives	11.0			
	16	15	12	

**Total Credits 180-182**

\*

ECON 270 recommended

\*\*

Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

\*\*\*

ECON 203 [WI] recommended

††

Suggested MATH sequences are: MATH 101 & MATH 102; MATH 105 & MATH 121; MATH 116 & MATH 117; MATH 121 & one other MATH course numbered MATH 122 or higher.

## School of Economics Faculty

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

Patricia Awerbuch, MBA (*Drexel University*). Associate Clinical Professor. Distance learning, environmental economics.

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

Sebastien Bradley, PhD (*University of Michigan*). Associate Professor. Public finance, tax policy, behavioral response to taxation.

Mian Dai, PhD (*Northwestern University*). Associate Professor. Industrial organization.

Pia DiGirolamo, PhD (*Purdue University*). Associate Clinical Professor. Forensic economics, distance learning.

Shawkat M. Hammoudeh, PhD (*University of Kansas*). Professor. Energy economics, environmental economics, financial economics.

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Bang Nam Jeon, PhD (*Indiana University*) *Department of Economics and International Business*. Professor. Financial economics, the Korean economy, currency crises, FDI, regional economic integration and newly industrializing economies.

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Ohyun Kwon, PhD (*University of Wisconsin, Madison*). Assistant Professor. International trade and trade agreements.

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Vibhas Madan, PhD (*Michigan State University*) *R John Chapel Jr. Dean*. Professor. International trade theory, applied microeconomics.

Roger A. McCain, PhD (*Louisiana State University*). Professor. Computational economics, game theory.

Eydis Olsen-Robinson, MA (*American University*). Associate Clinical Professor. International business, banking.

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Konstantinos Serfes, PhD (*University of Illinois at Champaign-Urbana*). Professor. Industrial organization; microeconomics; game theory

Ricardo Serrano-Padial, PhD (*University of California at San Diego*). Associate Professor. Microeconomic theory, information economics with applications in finance, macroeconomics, industrial organization.

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

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

## **Emeritus Faculty**

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

## **Economics and Business BS**

*Major: Economics and Business*

*Degree Awarded: Bachelor of Science (BS)*

*Calendar Type: Quarter*

*Minimum Required Credits: 180.0*

*Co-op Options: Three Co-op (Five years); One Co-op (Four years); No Co-op (Four years)*

*Classification of Instructional Programs (CIP) code: 45.0603*

*Standard Occupational Classification (SOC) code: 11-9199*

## **About the Program**

This STEM-designated combined major in Economics and Business provides the student with the foundational skills of data analysis in economics and the functional fields of business. It includes a range of elective courses in both fields and overall flexibility that allow the student to build on those skills in the direction of their own interests.

## **Additional Information**

For more information please contact our Undergraduate Advising department at [lebowadv@drexel.edu](mailto:lebowadv@drexel.edu).

## **Degree Requirements**

### **University Requirements**

CIVC 101	Introduction to Civic Engagement	1.0
COOP 101	Career Management and Professional Development	1.0
UNIV B101	The Drexel Experience	1.0
UNIV B201 [WI]	Career Management	1.0

General Education Courses		
COM 270 [WI]	Business Communication	3.0
ENGL 101 or ENGL 111	Composition and Rhetoric I: Inquiry and Exploratory Research English Composition I	3.0
ENGL 102 or ENGL 112	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing English Composition II	3.0
ENGL 103 or ENGL 113	Composition and Rhetoric III: Themes and Genres English Composition III	3.0
One course in Science (BIO, CHEM, ENV or PHYS)		3.0
Select one of the following math sequences **		8.0-10.0
MATH 101 & MATH 102 or MATH 105 & MATH 121 or MATH 116 & MATH 117 or MATH 121 & MATH 122	Introduction to Analysis I and Introduction to Analysis II Algebra, Functions, and Trigonometry and Calculus I Calculus and Functions I and Calculus and Functions II Calculus I and Calculus II	
Once course in Social Sciences or Philosophy (PHIL, PSY, SOC, HIST, or PSCI)		3.0
CS 150 or CS 164 or CS 171	Computer Science Principles Introduction to Computer Science Computer Programming I	3.0
Business Requirements		
ACCT 115	Financial Accounting Foundations	4.0
BSAN 160	Business Analytics and Data Visualization	4.0
FIN 301	Introduction to Finance	4.0
MKTG 201	Introduction to Marketing Management	4.0
OPM 200	Operations Management	4.0
ORGB 300 [WI]	Organizational Behavior	4.0
STAT 201 or MATH 311	Introduction to Business Statistics Probability and Statistics I	4.0
Business Electives		20.0
Choose 20 credits of business courses--at least 12 must be numbered 300 or higher		
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 330 or ECON 338	Managerial Economics Industrial Organization	4.0
ECON 350 [WI]	Applied Econometrics	4.0
ECON 360 or ECON 370	Time Series Econometrics Experiments and Causality in Economics	4.0
Economics Electives		16.0
Choose at least 16 credits from the following:		
ECON 203 [WI]	Survey of Economic Policy	
ECON 248	Mathematical Models in Economics	
ECON 260	Economics of Small Business	
ECON 270	Using Big Data to Solve Economic and Social Problems	
ECON 324	Economics of Happiness	
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 348	Mathematical Economics	
ECON 351	Resource and Environmental Economics	
ECON 354	Money and Banking	
ECON 360	Time Series Econometrics	

ECON 361	Health Economics	
ECON 365	Behavioral Economics	
ECON 366	Topics in Behavioral Economics	
ECON 370	Experiments and Causality in Economics	
ECON 380	Economic Crises: The American Experience	
ECON T480	Special Topics in 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	
INTB 440	Seminar in International Business	
SMT 320	Sport Economics	
<b>Capstone</b>		
ECON 322 [WI]	Economics Seminar	4.0
or MGMT 450	Strategy and Competitive Advantage	
<b>Free electives</b>		<b>47.0</b>
<b>Total Credits</b>		<b>180.0-182.0</b>

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Students not participating in co-op will take one additional credit of Free Elective instead of COOP 101 (<https://nam10.safelinks.protection.outlook.com/?url=http%3A%2F%2Fcatalog.drexel.edu%2Fsearch%2F%3FP%3DCOOP%2520101&data=04%7C01%7Ct1m54%40drexel.edu%7C34d200b48e0c46fb805008d88a8ff939%7C3664e6fa47bd45a696708c4f080f8ca6%7C0%7C0%7C637411698243934600%7CUnknown%7CTWfpbGZsb3d8eyJWljoIMC4wLjAwMDAiLCJQljoiv2luMzliLCJBTiI6lk1haWwiLCJXVCi6Mn0%3D%7C1000&sdata=uFlg6JYJDuaOW5sJ0XrAyt%2F8XKJpCwAn57Wbc%2FmRS0%3D&reserved=0>).

\*\*

For the MATH 121 & MATH 122 sequence, any other MATH course with a minimum of 4 credits can be used as a substitute for MATH 122. Some students who select the MATH 116 & MATH 117 sequence may need a one-credit concurrent practicum course depending on their calculus exam score and summer preparatory review participation.

## 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 (<https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list>) at the University Writing Program (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/>). (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/>) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

## Sample Plan of Study

### 5 Year 3 Coop

First Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CIVC 101	1.0 ECON 202	4.0 ACCT 115 or BSAN 160	4.0 VACATION	
ECON 201	4.0 ENGL 102 or 112	3.0 COOP 101***	1.0	
ENGL 101 or 111	3.0 MATH 102, 117, or 122 <sup>††</sup>	4.0 CS 150, 164, or 171	3.0	
MATH 101, 105, 116, or 121 <sup>††</sup>	4.0-6.0 ECON elective *	4.0 ENGL 103 or 113	3.0	
UNIV B101	1.0	ECON elective **	4.0	
Social Sciences or Philosophy	3.0			
	<b>16-18</b>	<b>15</b>	<b>15</b>	<b>0</b>
Second Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
BSAN 160 or ACCT 115	4.0 COM 270	3.0 COOP EXPERIENCE	COOP EXPERIENCE	
ECON 301	4.0 ECON 321	4.0		

MKTG 201	4.0 ECON 350	4.0		
STAT 201 or MATH 311	4.0 OPM 200	4.0		
	<b>16</b>	<b>15</b>	<b>0</b>	<b>0</b>
<b>Third Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
ECON 360	4.0 ORGB 300	4.0 COOP EXPERIENCE	COOP EXPERIENCE	
FIN 301	4.0 Business Elective	4.0		
Science elective	3.0 Free electives	7.0		
ECON 250	4.0			
	<b>15</b>	<b>15</b>	<b>0</b>	<b>0</b>
<b>Fourth Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
ECON 330 or 338	4.0 ECON Elective	4.0 COOP EXPERIENCE	COOP EXPERIENCE	
ECON elective	4.0 Business Elective	4.0		
Business elective	4.0 Free electives	6.0		
Free elective	3.0			
	<b>15</b>	<b>14</b>	<b>0</b>	<b>0</b>
<b>Fifth Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits</b>	
UNIV B201	1.0 Free electives	11.0 ECON 322 or MGMT 450	4.0	
Business elective	4.0 Business Elective	4.0 Free electives	10.0	
Free electives	10.0			
	<b>15</b>	<b>15</b>	<b>14</b>	

**Total Credits 180-182**

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ECON 270 recommended

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ECON 203 [WI] recommended

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Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 (<http://catalog.drexel.edu/search/?P=COOP%20101>) registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 (<http://catalog.drexel.edu/search/?P=COOP%20001>) in place of COOP 101 (<http://catalog.drexel.edu/search/?P=COOP%20101>).

††

Suggested MATH sequences are: MATH 101 & MATH 102; MATH 105 & MATH 121; MATH 116 & MATH 117; MATH 121 & one other MATH course numbered MATH 122 or higher.

## 4 Year 1 Coop

<b>First Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
CIVC 101	1.0 ECON 202	4.0 ACCT 115	4.0 VACATION	
ECON 201	4.0 ENGL 102 or 112	3.0 COOP 101***	1.0	
ENGL 101 or 111	3.0 MATH 102, 117, or 122††	4.0 CS 150, 164, or 171	3.0	
MATH 101, 105, 116, or 121††	4.0-6.0 ECON elective *	4.0 ENGL 103 or 113	3.0	
UNIV B101	1.0	ECON elective **	4.0	
PHIL or Social Science elective	3.0			
	<b>16-18</b>	<b>15</b>	<b>15</b>	<b>0</b>
<b>Second Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
BSAN 160	4.0 COM 270	3.0 ECON 360	4.0 ORGB 300	4.0
ECON 301	4.0 ECON 321	4.0 FIN 301	4.0 Business Elective	4.0
MKTG 201	4.0 ECON 350	4.0 ECON 250	4.0 Free Electives	4.0
STAT 201 or MATH 311	4.0 OPM 200	4.0 Free Elective	4.0 Science elective	3.0
	<b>16</b>	<b>15</b>	<b>16</b>	<b>15</b>



**Third Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ECON 330 or 338	4.0 ECON elective	4.0 COOP EXPERIENCE	COOP EXPERIENCE	
ECON elective	4.0 Business Elective	4.0		
Business Elective	4.0 Free Electives	6.0		
Free Elective	3.0			
	<b>15</b>	<b>14</b>	<b>0</b>	<b>0</b>

**Fourth Year**

Fall	Credits Winter	Credits Spring	Credits	
UNIV B201	1.0 Business Elective	4.0 ECON 322 or MGMT 450	4.0	
Business Elective	4.0 Free Electives	11.0 Free Electives	10.0	
Free Electives	9.0			
	<b>14</b>	<b>15</b>	<b>14</b>	

**Total Credits 180-182**

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ECON 270 recommended

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ECON 203 [WI] recommended

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Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 (<http://catalog.drexel.edu/search/?P=COOP%20101>) registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 (<http://catalog.drexel.edu/search/?P=COOP%20001>) in place of COOP 101 (<http://catalog.drexel.edu/search/?P=COOP%20101>).

††

Suggested MATH sequences are: MATH 101 & MATH 102; MATH 105 & MATH 121; MATH 116 & MATH 117; MATH 121 & one other MATH course numbered MATH 122 or higher.

**4 Year No Co-op****First Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CIVC 101	1.0 ECON 202	4.0 ACCT 115	4.0 VACATION	
ECON 201	4.0 ENGL 102 or 112	3.0 CS 150, 164, or 171	3.0	
ENGL 101 or 111	3.0 MATH 102, 117, or 122 <sup>††</sup>	4.0 ENGL 103 or 113	3.0	
MATH 101, 105, 116, or 121 <sup>††</sup>	4.0-6.0 ECON elective *	4.0 ECON elective **	4.0	
UNIV B101	1.0			
PHIL or Social Science elective	3.0			
	<b>16-18</b>	<b>15</b>	<b>14</b>	<b>0</b>

**Second Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
BSAN 160	4.0 COM 270	3.0 ECON 250	4.0 VACATION	
ECON 301	4.0 ECON 321	4.0 ECON 360	4.0	
MKTG 201	4.0 ECON 350	4.0 FIN 301	4.0	
STAT 201 or MATH 311	4.0 OPM 200	4.0 Free Elective	4.0	
	<b>16</b>	<b>15</b>	<b>16</b>	<b>0</b>

**Third Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ORGB 300	4.0 ECON 330 or 338	4.0 ECON elective	4.0 VACATION	
Business Elective	4.0 ECON elective	4.0 Business Elective	4.0	
Science elective	3.0 Business Elective	4.0 Free Electives	7.0	
Free Elective	3.0 Free Elective	4.0		
	<b>14</b>	<b>16</b>	<b>15</b>	<b>0</b>

**Fourth Year**

Fall	Credits Winter	Credits Spring	Credits	
UNIV B201	1.0 Business Elective	4.0 ECON 322 or MGMT 450	4.0	

Business Elective	4.0 Free Electives	10.0 Free Electives	10.0
Free Electives	10.0		
	<b>15</b>	<b>14</b>	<b>14</b>

**Total Credits 180-182**

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ECON 270 recommended

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ECON 203 [WI] recommended

††

Suggested MATH sequences are: MATH 101 & MATH 102; MATH 105 & MATH 121; MATH 116 & MATH 117; MATH 121 & one other MATH course numbered MATH 122 or higher.

## Program Level Outcomes

- Business: Collaborate with specialists in the functional fields such as accounting and marketing to apply the results of economic research to solve business problems.
- Economics: Explain economic models and research to non-economists.
- Identify, and describe to the lay person, the important institutions and determinants of economic activity at the local, regional, national, and international levels, including the basics of fiscal and monetary policy and how each affects the economy.

## Economics and Data Science BS

*Major: Economics and Data Science*

*Degree Awarded: Bachelor of Science (BS)*

*Calendar Type: Quarter*

*Minimum Required Credits: 180.0*

*Co-op Options: Three Co-op (Five years); One Co-op (Four years)*

*Classification of Instructional Programs (CIP) code: 30.3901*

*Standard Occupational Classification (SOC) code: 15-2041, 15-2051, 19-3011, 11-9199*

## About the Program

The STEM-designated Economics and Data Science is an interdisciplinary major that prepares students to work in an economy that has been transformed by the emergence of digital commerce and massive amounts of data. Coursework in data science teaches students how to manage, manipulate, and parse data to extract knowledge and insight.

Through the study of economics, students learn how the design of platforms shapes incentives, drives behavior, and determines social and economic outcomes including equity and efficiency. Students also learn how data may be used for predictive or causal analysis to inform business decisions or public policy.

The program provides excellent training for careers in the digital economy, including areas such as insurance, consulting, finance, retailing, and government. It also provides outstanding preparation for graduate study in business, data science, public health, economics, or other social sciences.

## Additional Information

For more information please contact our LeBow College Undergraduate Advising department at [lebowadv@drexel.edu](mailto:lebowadv@drexel.edu) ([lebowgradenroll@drexel.edu](mailto:lebowgradenroll@drexel.edu)) or the College of Computing & Informatics at [cciinfo@drexel.edu](mailto:cciinfo@drexel.edu)

## Degree Requirements

### University Requirements

UNIV B101	The Drexel Experience	1.0
or UNIV CI101	The Drexel Experience	
CIVC 101	Introduction to Civic Engagement	1.0
COOP 101	Career Management and Professional Development	1.0
UNIV B201 [WI]	Career Management	1.0

### General Education Requirements

#### English Requirements

ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	

ENGL 103 or ENGL 113	Composition and Rhetoric III: Themes and Genres English Composition III	3.0
Communications Requirement		
COM 230	Techniques of Speaking	3.0
Mathematics and Statistics		
<b>Select one of the following sequences: **</b>		
MATH 101 & MATH 102 & MATH 180 & MATH 201 or MATH 105 & MATH 121 & MATH 180 & MATH 201 or MATH 116 & MATH 117 & MATH 180 & MATH 201	Introduction to Analysis I and Introduction to Analysis II and Discrete Computational Structures and Linear Algebra Algebra, Functions, and Trigonometry and Calculus I and Discrete Computational Structures and Linear Algebra Calculus and Functions I and Calculus and Functions II and Discrete Computational Structures and Linear Algebra	16.0-18.0
STAT 201 or MATH 311	Introduction to Business Statistics Probability and Statistics I	4.0
STAT 202 or MATH 312	Business Statistics II Probability and Statistics II	4.0
Computer Science		
CS 150 or CS 164	Computer Science Principles Introduction to Computer Science	3.0
CS 171	Computer Programming I	3.0
CS 172	Computer Programming II	3.0
<b>Economics Requirements</b>		
ECON 201	Principles of Microeconomics	4.0
ECON 202	Principles of Macroeconomics	4.0
ECON 250	Game Theory and Applications	4.0
ECON 270	Using Big Data to Solve Economic and Social Problems	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 or ECON 370	Time Series Econometrics Experiments and Causality in Economics	4.0
<b>Data Science Requirements</b>		
CS 260	Data Structures	4.0
CS 265	Advanced Programming Tools and Techniques	3.0
DSCI 351	Recommender Systems	3.0
DSCI 471	Applied Deep Learning	3.0
INFO 101	Introduction to Computing and Security Technology	3.0
INFO 103	Introduction to Data Science	3.0
INFO 210	Database Management Systems	3.0
INFO 212	Data Science Programming I	3.0
INFO 213	Data Science Programming II	3.0
INFO 250	Information Visualization	3.0
INFO 323	Cloud Computing and Big Data	3.0
INFO 332	Exploratory Data Analytics	3.0
INFO 440	Social Media Data Analysis	3.0
INFO 442	Data Science Projects	3.0
<b>Economics Electives</b>		
Select 12 credits from the following		12.0
ECON 203 [WI]	Survey of Economic Policy	
ECON 248	Mathematical Models in Economics	
ECON 260	Economics of Small Business	
ECON 324	Economics of Happiness	
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 354	Money and Banking
ECON 360	Time Series Econometrics
ECON 361	Health Economics
ECON 365	Behavioral Economics
ECON 366	Topics in Behavioral Economics
ECON 370	Experiments and Causality in Economics
ECON 380	Economic Crises: The American Experience
ECON T480	Special Topics in 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
INTB 440	Seminar in International Business
SMT 320	Sport Economics
<b>Data Science Electives</b>	
Select 6 credits from the following courses	
CS 270	Mathematical Foundations of Computer Science
CS 380	Artificial Intelligence
CS 383	Machine Learning
INFO 315	Advanced Database Management Systems
INFO 371	Data Mining Applications
INFO 432	Advanced Data Analytics
Free Electives	
<b>Total Credits</b>	

6.0

34.0

**180.0-182.0**

\*

Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

\*\*

Students should speak with an advisor about their math placement. Students who place out of the first math course in a sequence will have additional credits of free electives. Some students who select the MATH 116 & MATH 117 sequence may need a one-credit concurrent practicum course depending on their calculus exam score and summer preparatory review participation.

## 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 (<https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list>) at the University Writing Program (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/>). (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/>) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

## Sample Plan of Study

### 5 Year 3 Coop

First Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CIVC 101	1.0 COOP 101*	1.0 CS 150 or 164	3.0 VACATION	
ECON 201	4.0 ECON 202	4.0 ENGL 103 or 113	3.0	

ENGL 101 or 111	3.0 ECON 270	4.0 INFO 103	3.0	
INFO 101	3.0 ENGL 102 or 112	3.0 MATH 201 or 180	4.0	
UNIV B101 or CI101	1.0 MATH 102, 121, 117, or 201	4.0		
MATH 101, 105, 116, or 121	4.0-6.0			
	<b>16-18</b>	<b>16</b>	<b>13</b>	<b>0</b>
<b>Second Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
COOP EXPERIENCE	COOP EXPERIENCE	CS 171	3.0 COM 230	3.0
		ECON 301	4.0 CS 172	3.0
		INFO 210	3.0 ECON 250	4.0
		STAT 201 or MATH 311	4.0 STAT 202 or MATH 312	4.0
		MATH 180 <sup>†</sup>	4.0	
	<b>0</b>	<b>0</b>	<b>18</b>	<b>14</b>
<b>Third Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
COOP EXPERIENCE	COOP EXPERIENCE	CS 265	3.0 CS 260	4.0
		ECON 321	4.0 INFO 213	3.0
		ECON 350	4.0 INFO 250	3.0
		INFO 212	3.0 ECON Elective	4.0
		INFO 440	3.0	
	<b>0</b>	<b>0</b>	<b>17</b>	<b>14</b>
<b>Fourth Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
COOP EXPERIENCE	COOP EXPERIENCE	DSCI 351	3.0 DSCI 471	3.0
		INFO 323	3.0 INFO 332	3.0
		ECON Elective	4.0 Free Elective	8.0
		Free Elective	4.0	
	<b>0</b>	<b>0</b>	<b>14</b>	<b>14</b>
<b>Fifth Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits</b>	
ECON 360 or 370	4.0 UNIV B201	1.0 ECON 322	4.0	
Free Electives	7.0 Data Science Elective	3.0 INFO 442	3.0	
Data Science Elective	3.0 ECON Elective	4.0 Free Elective	8.0	
	Free Elective	7.0		
	<b>14</b>	<b>15</b>	<b>15</b>	

**Total Credits 180-182**

\*

Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 (<http://catalog.drexel.edu/search/?P=COOP%20101>) registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 (<http://catalog.drexel.edu/search/?P=COOP%20001>) in place of COOP 101 (<http://catalog.drexel.edu/search/?P=COOP%20101>).

†

Students who placed out of the first course in their math sequence will have additional credits of free electives.

## 4 Year 1 Coop

<b>First Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
UNIV B101 or CI101	1.0 ENGL 102 or 112	3.0 ENGL 103 or 113	3.0 VACATION	
CIVC 101	1.0 ECON 202	4.0 CS 150 or 164	3.0	
ENGL 101 or 111	3.0 MATH 102, 121, 117, or 201	4.0 MATH 201 or 180	4.0	
INFO 101	3.0 ECON 270	4.0 INFO 103	3.0	
MATH 101, 105, 116, or 121	4.0-6.0	Free Elective	3.0	
ECON 201	4.0			
	<b>16-18</b>	<b>15</b>	<b>16</b>	<b>0</b>



**Second Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CS 171	3.0 CS 172	3.0 ECON 350	4.0 INFO 213	3.0
STAT 201 or MATH 311	4.0 ECON 321	4.0 COM 230	3.0 INFO 250	3.0
ECON 301	4.0 STAT 202 or MATH 312	4.0 INFO 212	3.0 CS 260	4.0
INFO 210	3.0 COOP 101	1.0 CS 265	3.0 Free Electives	6.0
MATH 180 <sup>†</sup>	4.0			
	<b>18</b>	<b>12</b>	<b>13</b>	<b>16</b>

**Third Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
COOP EXPERIENCE	COOP EXPERIENCE	ECON 370 or 360	4.0 ECON 250	4.0
		INFO 323	3.0 INFO 332	3.0
		INFO 440	3.0 Free Electives	7.0
		Econ Elective	4.0	
	<b>0</b>	<b>0</b>	<b>14</b>	<b>14</b>

**Fourth Year**

Fall	Credits Winter	Credits Spring	Credits
UNIV B201	1.0 DSCI 351	3.0 DSCI 471	3.0
ECON 322	4.0 Data Science Elective	3.0 INFO 442	3.0
Econ Elective	4.0 Econ Elective	4.0 Free Electives	9.0
Data Science Elective	3.0 Free Electives	6.0	
Free Elective	3.0		
	<b>15</b>	<b>16</b>	<b>15</b>

**Total Credits 180-182**

\*

Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 (<http://catalog.drexel.edu/search/?P=COOP%20101>) registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 (<http://catalog.drexel.edu/search/?P=COOP%20001>) in place of COOP 101 (<http://catalog.drexel.edu/search/?P=COOP%20101>).

†

Students who placed out of the first course in their math sequence will have additional credits of free electives.

## Economics and Mathematics BS

*Major: Economics and Mathematics*

*Degree Awarded: Bachelor of Science (BS)*

*Calendar Type: Quarter*

*Minimum Required Credits: 180.0*

*Co-op Options: Three Co-op (Five years); One Co-op (Four years); No Co-op (Four years)*

*Classification of Instructional Programs (CIP) code: 30.4901*

*Standard Occupational Classification (SOC) code: 15-2041; 15-2051; 19-3011*

## About the Program

This STEM-designated combined major in Economics and Mathematics is intended for students with a strong intellectual interest in economics, applied mathematics, and econometrics. The major offers excellent career opportunities both in the private sector and in government. The major also provides an excellent preparation for students who are interested in pursuing a graduate degree in economics or related fields.

In comparison to the regular major in Economics, the combined major in Economics and Mathematics emphasizes economics courses with more formal mathematical analysis and contains a higher math course requirement, thereby allowing students to understand and conduct more advanced research in economics and quantitative analysis. At the same time, with one year's worth of free electives, the major offers students plenty of flexibility to take courses outside the combined major, or to transition from the combined major to a double major in economics and mathematics

## Additional Information

For more information please contact our Undergraduate Advising department at [lebowadv@drexel.edu](mailto:lebowadv@drexel.edu).

## Degree Requirements

### University Requirements

COOP 101	Career Management and Professional Development *	1.0
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CIVC 101	Introduction to Civic Engagement	1.0
UNIV B101	The Drexel Experience	1.0
UNIV B201 [WI]	Career Management	1.0
or UNIV S201	Looking Forward: Academics and Careers	
General Education Courses		
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
COM 230	Techniques of Speaking	3.0
CS 150	Computer Science Principles	3.0
or CS 164	Introduction to Computer Science	
CS 171	Computer Programming I	3.0
CS 172	Computer Programming II	3.0
One course in PHIL, PSY, SOC, HIST or PSCI		3.0
One course in BIO, CHEM, ENVS or PHYS		3.0
Mathematics Requirements		
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
MATH 210	Differential Equations	4.0
MATH 220 [WI]	Introduction to Mathematical Reasoning	3.0
MATH 311	Probability and Statistics I	4.0
MATH 312	Probability and Statistics II	4.0
MATH 401	Elements of Modern Analysis I	3.0
Mathematics Electives: Choose 14 credits from the following		14.0
MATH 222 [WI]	Combinatorics	
MATH 250	Mathematics of Investment and Credit	
MATH 285	Differential Equations II	
MATH 300	Numerical Analysis I	
MATH 301	Numerical Analysis II	
MATH 305	Introduction to Optimization Theory	
MATH 313	Probability and Statistics III	
MATH 318 [WI]	Mathematical Applications of Statistical Software	
MATH 320	Actuarial Mathematics	
MATH 321	Vector Calculus	
MATH 322	Complex Variables	
MATH 323	Partial Differential Equations	
MATH 331	Abstract Algebra I	
MATH 332	Abstract Algebra II	
MATH 387	Linear Algebra II	
MATH 402	Elements of Modern Analysis II	
MATH 449	Mathematical Finance	
MATH 450	Introduction to Graph Theory	
MATH 475	Cryptography	
MATH 483	Introduction to Monte Carlo Methods	
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 348	Mathematical Economics	4.0
ECON 350 [WI]	Applied Econometrics	4.0
ECON 360	Time Series Econometrics	4.0
or ECON 370	Experiments and Causality in Economics	
Economics Electives -- choose 16 credits from the following courses		16.0

ECON 203 [WI]	Survey of Economic Policy
ECON 248	Mathematical Models in Economics
ECON 260	Economics of Small Business
ECON 270	Using Big Data to Solve Economic and Social Problems
ECON 324	Economics of Happiness
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 351	Resource and Environmental Economics
ECON 354	Money and Banking
ECON 360	Time Series Econometrics
ECON 361	Health Economics
ECON 365	Behavioral Economics
ECON 366	Topics in Behavioral Economics
ECON 370	Experiments and Causality in Economics
ECON 380	Economic Crises: The American Experience
ECON T480	Special Topics in 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
INTB 440	Seminar in International Business
SMT 320	Sport Economics
Free Electives	45.0
<b>Total Credits</b>	<b>180.0</b>

\*

Students not participating in co-op will not take COOP 101; 1 credit of Free electives will be added in place of COOP 101.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

## 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 (<https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list>) at the University Writing Program (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/>). (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/>) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

## Sample Plan of Study

### 5 Year 3 Coop

First Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CIVC 101	1.0 CS 171	3.0 COOP 101**	1.0 VACATION	
CS 150 or 164	3.0 ECON 202	4.0 CS 172	3.0	
ECON 201	4.0 ENGL 102 or 112	3.0 ENGL 103 or 113	3.0	
ENGL 101 or 111	3.0 MATH 122	4.0 MATH 123	4.0	
MATH 121	4.0 ECON Elective *	4.0 MATH 200	4.0	
UNIV B101	1.0	ECON Elective ***	4.0	
	<b>16</b>	<b>18</b>	<b>19</b>	<b>0</b>

**Second Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ECON 301	4.0 ECON 250	4.0 COOP EXPERIENCE	COOP EXPERIENCE	
MATH 220	3.0 ECON 321	4.0		
MATH 311	4.0 MATH 312	4.0		
Science elective	3.0 PHIL or Social Science Elective	3.0		
	<b>14</b>	<b>15</b>	<b>0</b>	<b>0</b>

**Third Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ECON 350	4.0 ECON 360 or 370	4.0 COOP EXPERIENCE	COOP EXPERIENCE	
MATH 201	4.0 MATH 210	4.0		
ECON Elective	4.0 MATH Elective	4.0		
MATH Elective	4.0 Free Elective	4.0		
	<b>16</b>	<b>16</b>	<b>0</b>	<b>0</b>

**Fourth Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ECON Elective	4.0 ECON 348	4.0 COOP EXPERIENCE	COOP EXPERIENCE	
MATH Elective	3.0 MATH Elective	3.0		
Free Electives	8.0 Free Electives	7.0		
	<b>15</b>	<b>14</b>	<b>0</b>	<b>0</b>

**Fifth Year**

Fall	Credits Winter	Credits Spring	Credits
ECON 322	4.0 Free Electives	12.0 Free Electives	12.0
UNIV B201 or S201	1.0		
Free Electives	8.0		
	<b>13</b>	<b>12</b>	<b>12</b>

**Total Credits 180**

\*

ECON 270 recommended

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COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

\*\*\*

ECON 203 [WI] recommended

## 4 Year 1 Coop

**First Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CIVC 101	1.0 CS 171	3.0 COOP 101**	1.0 VACATION	
CS 150 or 164	3.0 ECON 202	4.0 CS 172	3.0	
ECON 201	4.0 ENGL 102 or 112	3.0 ENGL 103 or 113	3.0	
ENGL 101 or 111	3.0 MATH 122	4.0 MATH 123	4.0	
MATH 121	4.0 ECON Elective *	4.0 MATH 200	4.0	
UNIV B101	1.0	ECON Elective ***	4.0	
	<b>16</b>	<b>18</b>	<b>19</b>	<b>0</b>

**Second Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ECON 301	4.0 ECON 250	4.0 ECON 350	4.0 MATH 210	4.0
MATH 220	3.0 ECON 321	4.0 MATH 201	4.0 ECON Elective	4.0
MATH 311	4.0 MATH 312	4.0 ECON Elective	4.0 MATH Elective	3.0
Science elective	3.0 PHIL or Social Science Elective	4.0 MATH Elective	3.0 Free Electives	3.0
	<b>14</b>	<b>16</b>	<b>15</b>	<b>14</b>

**Third Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ECON 360 or 370	4.0 ECON 348	4.0 COOP EXPERIENCE	COOP EXPERIENCE	
Free Elective	7.0 MATH Elective	3.0		

MATH Elective	3.0 Free Electives	7.0		
	<b>14</b>	<b>14</b>	<b>0</b>	<b>0</b>
<b>Fourth Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits</b>	
ECON 322	4.0 Free Electives	14.0 Free Electives	13.0	
UNIV B101 or S201	1.0			
Free Electives	8.0			
	<b>13</b>	<b>14</b>	<b>13</b>	
<b>Total Credits 180</b>				

\*

ECON 270 recommended

\*\*

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

\*\*\*

ECON 203 [WI] recommended

## 4 Year No Coop

<b>First Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
CIVC 101	1.0 CS 171	3.0 CS 172	3.0 VACATION	
CS 150 or 164	3.0 ECON 202	4.0 ENGL 103 or 113	3.0	
ECON 201	4.0 ENGL 102 or 112	3.0 MATH 123	4.0	
ENGL 101 or 111	3.0 MATH 122	4.0 MATH 200	4.0	
MATH 121	4.0 ECON Elective *	4.0 ECON Elective **	4.0	
UNIV B101	1.0			
	<b>16</b>	<b>18</b>	<b>18</b>	<b>0</b>
<b>Second Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
ECON 301	4.0 ECON 250	4.0 ECON 350	4.0 VACATION	
MATH 220	3.0 ECON 321	4.0 MATH 201	4.0	
MATH 311	4.0 MATH 312	4.0 ECON Elective	4.0	
Science elective	3.0 PHIL or Social Science Elective	3.0 MATH Elective	3.0	
	<b>14</b>	<b>15</b>	<b>15</b>	<b>0</b>
<b>Third Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
ECON 360 or 370	4.0 ECON Electives	8.0 ECON 348	4.0 VACATION	
MATH 210	4.0 MATH Elective	3.0 MATH Elective	4.0	
MATH Elective	3.0 Free Elective	3.0 Free Electives	8.0	
Free Elective	4.0			
	<b>15</b>	<b>14</b>	<b>16</b>	<b>0</b>
<b>Fourth Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits</b>	
ECON 322	4.0 Free Electives	13.0 Free Electives	13.0	
UNIV B201 or S201	1.0			
Free Electives	8.0			
	<b>13</b>	<b>13</b>	<b>13</b>	
<b>Total Credits 180</b>				

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ECON 270 recommended

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ECON 203 [WI] recommended

## Economics and Public Health BS

*Major: Economics and Public Health*

*Degree Awarded: Bachelor of Science (BS)*

*Calendar Type: Quarter*

*Minimum Required Credits: 180.0*

*Co-op Options: Three Co-op (Five years); One Co-op (Four years)*

*Classification of Instructional Programs (CIP) code: 45.0603*

*Standard Occupational Classification (SOC) code: 15-2041; 19-4061*

## About the Program

Public health is the science of protecting and improving the health and well-being of populations of people. Critical to that well-being are many factors, including a clean environment, public safety, a healthy diet, adequate housing, and access to health care. Economics is the study of how people organize themselves to produce the goods and services they desire, including those necessary for a healthy life. Through the study of both economics and public health, students in this major gain a unique understanding of the factors underlying our health and well-being. The curriculum is interdisciplinary, drawing from the physical sciences, economics, and the four areas of public health: epidemiology, community health and prevention, environmental and occupational health, and health management and policy.

The Economics faculty have created a curriculum that connects economics directly to the needs of society. Their expertise spans a variety of areas, including health economics, non-profits, and the methods of causal analysis that underpin sound public policy. Faculty in the Dornsife School of Public Health have integrated human rights and social justice into the curriculum and are dedicated to community impact through civic engagement. Students in this major thus have access to a broad set of faculty engaged in health and health policy.

Upon completion of this STEM-designated major, students will be prepared to enter the workforce with employers such as health services organizations, health insurers, non-profits, and governments. They will also be well equipped for graduate study in public health, health sciences, public policy, economics, or other social sciences.

## Additional Information

For more information please contact our Undergraduate Advising department at [lebowadv@drexel.edu](mailto:lebowadv@drexel.edu) ([lebowgradenroll@drexel.edu](mailto:lebowgradenroll@drexel.edu)).

## Degree Requirements

### General Education Requirements

#### University Requirements

COOP 101	Career Management and Professional Development	1.0
CIVC 101	Introduction to Civic Engagement	1.0
UNIV B101	The Drexel Experience	1.0
UNIV B201 [WI]	Career Management	1.0

#### Common Competency Requirements

COM 230 or COM 270	Techniques of Speaking Business Communication	3.0
PBHL 101	Public Health 101	3.0
PSY 101	General Psychology I	3.0
SOC 101	Introduction to Sociology	3.0
English		
ENGL 101 or ENGL 111	Composition and Rhetoric I: Inquiry and Exploratory Research English Composition I	3.0
ENGL 102 or ENGL 112	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing English Composition II	3.0
ENGL 103 or ENGL 113	Composition and Rhetoric III: Themes and Genres English Composition III	3.0

#### Select one of the the following math sequences \*

12.0

MATH 101 & MATH 102 & MATH 239	Introduction to Analysis I and Introduction to Analysis II and Mathematics for the Life Sciences (Or )
or MATH 121 & MATH 122 & MATH 239	Calculus I and Calculus II and Mathematics for the Life Sciences

#### Physical Sciences

Select one of the following biology sequences \*\*

8.0

BIO 107 & BIO 108 & BIO 109 & BIO 110	Cells, Genetics & Physiology and Cells, Genetics and Physiology Laboratory and Biological Diversity, Ecology & Evolution and Biological Diversity, Ecology and Evolution Laboratory
--	--

Or

BIO 131	Cells and Biomolecules
BIO 134	Cells and Biomolecules Lab

BIO 132	Genetics and Evolution	
BIO 135	Genetics and Evolution Lab	
Select one of the following chemistry sequences		8.0
CHEM 101 & CHEM 102	General Chemistry I and General Chemistry II	
Or		
CHEM 111 & CHEM 112	General Chemistry I and General Chemistry II	
<b>Public Health Core Requirements</b>		
PBHL 301	Epidemiology in Public Health	3.0
PBHL 302	Introduction to the History of Public Health	3.0
PBHL 303	Overview of Issues in Global Health	3.0
PBHL 304	Introduction to Health & Human Rights	3.0
PBHL 308	The U.S. Public Health System	3.0
PBHL 314	Environmental and Occupational Health	3.0
<b>Economics Core Requirements</b>		
ECON 201	Principles of Microeconomics	4.0
ECON 202	Principles of Macroeconomics	4.0
ECON 301	Microeconomics	4.0
ECON 350 [WI]	Applied Econometrics	4.0
ECON 361	Health Economics	4.0
ECON 370	Experiments and Causality in Economics	4.0
STAT 201 or MATH 311	Introduction to Business Statistics Probability and Statistics I	4.0
<b>Interdisciplinary Public Health Requirements</b>		
Select one PBHL Course from each PH Department below		12.0
Community Health & Prevention: PBHL 305, PBHL 306, PBHL 309, PBHL 313, PBHL 316, or PBHL 422		
Environmental & Occupational Health: PBHL 307, PBHL 317, PBHL 319, PBHL 350, PBHL 457, or PBHL 458		
Epidemiology: PBHL 310, PBHL 311, or PBHL 321		
Health Management & Policy: PBHL 315, PBHL 318, or PBHL 333		
Select 6 additional public health credits		6.0
<b>Public Health Capstone Experience</b>		
PBHL 498 [WI]	Capstone Experience II	3.0
PBHL 499 [WI]	Capstone Experience III	3.0
<b>Economics Electives</b>		
ECON 203 [WI]	Survey of Economic Policy	4.0
Select 16 credits from the courses below		16.0
ECON 248	Mathematical Models in Economics	
ECON 250	Game Theory and Applications	
ECON 260	Economics of Small Business	
ECON 270	Using Big Data to Solve Economic and Social Problems	
ECON 321	Macroeconomics	
ECON 322 [WI]	Economics Seminar	
ECON 324	Economics of Happiness	
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 348	Mathematical Economics	
ECON 351	Resource and Environmental Economics	
ECON 354	Money and Banking	
ECON 360	Time Series Econometrics	
ECON 365	Behavioral Economics	
ECON 366	Topics in Behavioral Economics	
ECON 380	Economic Crises: The American Experience	
ECON T480	Special Topics in 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	
INTB 440	Seminar in International Business	
SMT 320	Sport Economics	
Free Electives		37.0
<b>Total Credits</b>		<b>180.0</b>

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For the MATH 121 & MATH 122 & MATH 239 sequence, MATH 123 can be used as a substitute for MATH 239.

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Students who elect the BIO 131, BIO 132, BIO 134, BIO 135 sequence will have two fewer free elective credits.

## 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 (<https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list>) at the University Writing Program (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/>). (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/>) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

## Sample Plan of Study

### 5 Year, 3 COOP

<b>First Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
CIVC 101	1.0 ECON 202	4.0 COOP 101**	1.0 VACATION	
ECON 201	4.0 ENGL 102 or 112	3.0 ENGL 103 or 113	3.0	
ENGL 101 or 111	3.0 MATH 102 or 122	4.0 MATH 239 or 123	4.0	
MATH 101 or 121	4.0 Economics Elective*	4.0 PSY 101	3.0	
PBHL 101	3.0	Economics Elective***	4.0	
UNIV B101	1.0			
	<b>16</b>	<b>15</b>	<b>15</b>	<b>0</b>
<b>Second Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
ECON 301	4.0 COM 230 or 270	3.0 COOP EXPERIENCE	COOP EXPERIENCE	
SOC 101	3.0 ECON 361	4.0		
PBHL 301	3.0 STAT 201	4.0		
BIO Course	4.0 BIO Course	4.0		
	<b>14</b>	<b>15</b>	<b>0</b>	<b>0</b>
<b>Third Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
ECON 350	4.0 ECON 370	4.0 COOP EXPERIENCE	COOP EXPERIENCE	
PBHL 302	3.0 PBHL 303	3.0		
ECON Elective	4.0 ECON Elective	4.0		
CHEM Course	4.0 CHEM Course	4.0		
	<b>15</b>	<b>15</b>	<b>0</b>	<b>0</b>
<b>Fourth Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
PBHL 304	3.0 PBHL 308	3.0 COOP EXPERIENCE	COOP EXPERIENCE	
CHP Elective	3.0 EOH Elective	3.0		
ECON Elective	4.0 ECON Elective	4.0		
Free Elective	4.0 Free Elective	4.0		
	<b>14</b>	<b>14</b>	<b>0</b>	<b>0</b>
<b>Fifth Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits</b>	
PBHL 314	3.0 PBHL 498	3.0 PBHL 499	3.0	
UNIV B201	1.0 HMP Elective	3.0 PBHL Electives	6.0	



EPI Elective	3.0 Free Electives	10.0 Free Electives	7.0
Free Electives	8.0		
	<b>15</b>	<b>16</b>	<b>16</b>

**Total Credits 180**

\*

ECON 270 recommended

\*\*

Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 (<http://catalog.drexel.edu/search/?P=COOP%20101>) registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 (<http://catalog.drexel.edu/search/?P=COOP%20001>) in place of COOP 101 (<http://catalog.drexel.edu/search/?P=COOP%20101>).

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ECON 203 [WI] recommended

## 4 Year, One COOP

### First Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CIVC 101	1.0 ECON 202	4.0 COOP 101**	1.0 VACATION	
ECON 201	4.0 ENGL 102 or 112	3.0 ENGL 103 or 113	3.0	
ENGL 101	3.0 MATH 102 or 122	4.0 MATH 239 or 123	4.0	
PBHL 101	3.0 Economics Elective*	4.0 PSY 101	3.0	
MATH 101 or 121	4.0	Economics Elective***	4.0	
UNIV B101	1.0			
	<b>16</b>	<b>15</b>	<b>15</b>	<b>0</b>

### Second Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ECON 301	4.0 COM 230 or 270	3.0 ECON 350	4.0 ECON Electives	8.0
SOC 101	3.0 ECON 361	4.0 PBHL 302	3.0 Free Electives	8.0
PBHL 301	3.0 STAT 201	4.0 ECON Elective	4.0	
BIO Course	4.0 BIO Course	4.0 CHEM Course	4.0	
	<b>14</b>	<b>15</b>	<b>15</b>	<b>16</b>

### Third Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
PBHL 303	3.0 ECON 370	4.0 COOP EXPERIENCE	COOP EXPERIENCE	
ECON Elective	4.0 PBHL 304	3.0		
Free Elective	4.0 CHP Elective	3.0		
CHEM Course	4.0 ECON Elective	4.0		
	<b>15</b>	<b>14</b>	<b>0</b>	<b>0</b>

### Fourth Year

Fall	Credits Winter	Credits Spring	Credits
PBHL 308	3.0 PBHL 498	3.0 PBHL 499	3.0
PBHL 314	3.0 EPI Elective	3.0 PBHL Electives	6.0
UNIV B201	1.0 HMP Elective	3.0 Free Electives	7.0
Free Elective	3.0 Free Electives	7.0	
EOH Elective	3.0		
	<b>13</b>	<b>16</b>	<b>16</b>

**Total Credits 180**

\*

ECON 270 recommended

\*\*

Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 (<http://catalog.drexel.edu/search/?P=COOP%20101>) registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 (<http://catalog.drexel.edu/search/?P=COOP%20001>) in place of COOP 101 (<http://catalog.drexel.edu/search/?P=COOP%20101>).

\*\*\*

ECON 203 [WI] recommended

## Program Level Outcomes

- Students will be able to explain the relationship between human rights, social justice, and public health.
- Students can perform basic policy analysis.
- Students understand the implications of economic policy for population health.
- Students can critique and design policies that aim to improve population health.

## International Business BSBA

*Major: International Business**Degree Awarded: Bachelor of Science in Business Administration (BSBA)**Calendar Type: Quarter**Minimum Required Credits: 180.0**Co-op Options: Three Co-op (Five years); One Co-op (Four years); No Co-op (Four years)**Classification of Instructional Programs (CIP) code: 52.1101**Standard Occupational Classification (SOC) code: 11-1021; 11-1011; 25-1011*

## About the Program

The BSBA in International Business provides students with in-depth knowledge of the international business environment and the internal workings of multinational corporations within the broader context of international trade and international finance.

The curriculum is interdisciplinary, with courses drawn from international business, economics, finance, management and marketing. Students are encouraged to explore additional opportunities, such as international co-ops, business consulting residencies, study abroad, the Global Learning Community and global classrooms. Many free electives provide students with the flexibility to combine the degree with a major or minor in another field of study.

Upon graduation, students are well prepared for successful careers in international business, public service and various international institutions.

**Please Note:** No more than two (2) courses or eight (8) credits can be counted toward any additional major/minor/co-major or certificate.

## Additional Information

For more information please contact our Undergraduate Advising department at [lebowadv@drexel.edu](mailto:lebowadv@drexel.edu).

## 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 320 or 420 language course, focusing on the language of business or professions. This requires a minimum of 6 language courses (24.0 credits) at the college level or up to level 6 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/>).

### General Education Requirements

CIVC 101	Introduction to Civic Engagement	1.0
COOP 101	Career Management and Professional Development *	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
MATH 101	Introduction to Analysis I	4.0
or MATH 121	Calculus I	
UNIV B101	The Drexel Experience	1.0
UNIV B201 [WI]	Career Management	1.0

### General Education Electives (Select 18-24 credits)

Culture, Diversity & Global Perspective **	6.0-8.0
Humanities and Social Science **	6.0-8.0

Natural Science and Technology **		6.0-8.0
<b>Business Flexible Requirements ***</b>		
INTB 200	International Business	4.0
MIS 200	Management Information Systems	4.0
MKTG 201	Introduction to Marketing Management	4.0
OPM 200	Operations Management	4.0
STAT 201	Introduction to Business Statistics	4.0
<b>Business Requirements</b>		
ACCT 115	Financial Accounting Foundations	4.0
ACCT 116	Managerial Accounting Foundations	4.0
BLAW 201	Business Law I	4.0
BSAN 160	Business Analytics and Data Visualization	4.0
BUSN 101	Foundations of Business I	4.0
BUSN 102	Foundations of Business II	4.0
BUSN 105	Applied Business Analysis	3.0
ECON 201	Principles of Microeconomics	4.0
ECON 202	Principles of Macroeconomics	4.0
FIN 301	Introduction to Finance	4.0
MGMT 450	Strategy and Competitive Advantage	4.0
ORGB 300 [WI]	Organizational Behavior	4.0
<b>Business Impact Elective</b>		<b>4.0</b>
Select a course that has one the following subject codes: (ACCT) Accounting, (BSAN) Business Analytics, (STAT) Business Statistics, (ECON) Economics, (FIN) Finance, (BUSN) General Business, (HRMT) Human Resource Management, (INTB) International Business, (BLAW) Business Law, (MGMT) Management, (MIS) Management Information Systems, (MKTG) Marketing, (OPM) Operations Management, (OPR) Operations Research, (ORGB) Organizational Behavior, (REMD) Real Estate Management & Development, (SMT) Sport Management, or (TAX) Taxation with a course number range of 100-499, including T280, T380, and T480. This course cannot be applied to your major or minor.		
<b>International Business Required Major Course</b>		
INTB 440	Seminar in International Business	4.0
<b>Choose two of the following courses:</b>		<b>8.0</b>
INTB 332	Multinational Corporations	
INTB 334	International Trade	
INTB 336	International Money and Finance	
INTB 338	Regional Studies in Economic Policies and International Business	
<b>International Business Major Electives †</b>		<b>24.0</b>
BLAW 340	International Business Law	
BUSN 350	Thinking (A)Broad - An Intensive Course Abroad in Business	
COM 345	Intercultural Communication	
COM 360	Strategic International Communication	
COM 362	International Negotiations	
ECON 301	Microeconomics	
ECON 321	Macroeconomics	
ECON 331	International Macroeconomics	
ECON 342	Economic Development	
ECON 354	Money and Banking	
ENTP 370	Global Entrepreneurship	
FIN 325	Financial Institutions and Markets	
FIN 346	Global Financial Management	
GST 221	Introduction to Global Capital and Development	
GST 321	Advanced Studies in Global Capital and Development	
INTB 332	Multinational Corporations	
INTB 334	International Trade	
INTB 336	International Money and Finance	
INTB 338	Regional Studies in Economic Policies and International Business	
MGMT 380	International Business Consulting	
MIS 347	Domestic and Global Outsourcing Management	
MKTG 357	Global Marketing	
PROJ 435	Essentials of International Project Management	
PSCI 150	International Politics	
PSCI 250	American Foreign Policy	
PSCI 252	Global Governance	
SMT 340 [WI]	International Aspects of Sport	
SOC 313	Sociology of Global Health	

SOC 330	Development and Underdevelopment in the Global South
SOC 340	Globalization
Any foreign language course number range 101 to 499 †	
<b>Free Electives</b>	<b>38.0</b>
<b>Total Credits</b>	<b>180.0-186.0</b>

\*  
Students not participating in co-op will take one additional credit of Free Elective instead of COOP 101.

Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

\*\*  
Please see General Education Electives (<https://catalog.drexel.edu/undergraduate/collegeofbusiness/#bsbageneraleducationelectivestext>) catalog webpage for an up-to-date listing of eligible courses

\*\*\*  
Please note that Business Flexible Requirement courses are all required but can be taken in any order or sequence based on student choice or major. Please consult your academic advisor for additional guidance.

†  
Students are strongly encouraged to pursue one or more global experiences through the Office of Global Engagement (<https://drexel.edu/global/>) as part of their studies. Global experiences include participation in an intensive course abroad (<https://drexel.edu/global/student-programs/education-abroad/programs/intensive-courses-abroad/>), an international consulting residency (<https://www.lebow.drexel.edu/academics/undergraduate/co-op-and-experience/global-experiences/international-consulting/>), study abroad (<https://drexel.edu/global/student-programs/education-abroad/programs/undergraduate-programs/full-term-ug-country/>), coop abroad (<https://drexel.edu/scdc/co-op/international/>), or global classrooms (<https://drexel.edu/global/faculty-development/global-classroom/Past-and-Current-Global-Classrooms/>).

‡  
1. Students are encouraged to pursue the Intermediate Language Proficiency Certificate (<https://drexel.edu/coas/academics/departments-centers/global-studies-modern-languages/degrees-programs/#coursework-certificates>), which qualifies for employers and graduate schools that the student possesses the basic skills needed to interact in everyday contexts with native speakers of the language. The certificate requires completion of the 202 level, our intermediate sequence, of the language program.

## 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 (<https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list>) at the University Writing Program (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/>). (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/>) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

## Sample Plan of Study

### 4 year, no co-op

First Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
BUSN 101	4.0 BSAN 160	4.0 ACCT 115	4.0 VACATION	
BUSN 105	3.0 BUSN 102	4.0 CIVC 101	1.0	
MATH 101	4.0 ECON 201	4.0 ECON 202	4.0	
ENGL 101 or 111	3.0 ENGL 102 or 112	3.0 ENGL 103 or 113	3.0	
UNIV B101	1.0	Business Flexible Requirement Course **	4.0	
	15	15	16	0

**Second Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ACCT 116	4.0 BLAW 201	4.0 Culture, Diversity, & Global Perspective Elective ***	3.0-4.0 VACATION	
Select one of the following INTB Courses	4.0 FIN 301	4.0 INTB Major Elective	4.0	
INTB 332	Business Flexible Requirement Course **	4.0 Select one of the following INTB courses:	4.0	
INTB 334	Free Elective	INTB 332		
INTB 336		INTB 334		
INTB 338		INTB 336		
Business Flexible Requirement Course **	8.0	INTB 338		
		Free Elective	4.0	
	<b>16</b>	<b>16</b>	<b>15-16</b>	<b>0</b>

**Third Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ORGB 300	4.0 INTB Major Elective	4.0 Culture, Diversity, & Global Perspective Elective ***	3.0-4.0 VACATION	
Business Flexible Requirement Course **	4.0 Natural Science & Technology Elective ***	3.0-4.0 Humanities & Social Science Elective ***	3.0-4.0	
Humanities & Social Science Elective ***	3.0-4.0 Free Electives	8.0 INTB Major Elective	4.0	
Free Elective	4.0	Free Elective	3.0	
	<b>15-16</b>	<b>15-16</b>	<b>13-15</b>	<b>0</b>

**Fourth Year**

Fall	Credits Winter	Credits Spring	Credits
UNIV B201	1.0 MGMT 450	4.0 INTB 440	4.0
Business Impact Elective †	4.0 INTB Major elective	4.0 INTB Major Elective	4.0
INTB Major Elective	4.0 Free Electives	6.0 Free Electives	6.0
Natural Science & Technology Elective ***	3.0-4.0		
Free Elective	4.0		
	<b>16-17</b>	<b>14</b>	<b>14</b>

**Total Credits 180-186**

\*  
Students not participating in co-op will take one additional credit of Free Elective instead of COOP 101.

\*\*  
Select INTB 200/INTB 200, OPM 200/OPM 200, MIS 200/MIS 200, MKTG 201 or STAT 201/STAT 201. Please note that Business Flexible Requirement courses are all required but can be taken in any order or sequence based on student choice or major. Please consult your academic advisor for additional guidance.

\*\*\*  
Please see General Education Electives (<https://catalog.drexel.edu/undergraduate/collegeofbusiness/#bsbageneraleducationelectivestext>) catalog webpage for an up to date listing of eligible courses.

†  
Select a course that has one the following subject codes: (ACCT) Accounting, (BSAN) Business Analytics, (STAT) Business Statistics, (ECON) Economics, (FIN) Finance, (BUSN) General Business, (HRMT) Human Resource Management, (INTB) International Business, (BLAW) Business Law, (MGMT) Management, (MIS) Management Information Systems, (MKTG) Marketing, (OPM) Operations Management, (OPR) Operations Research, (ORGB) Organizational Behavior, (REMD) Real Estate Management & Development, (SMT) Sport Management, or (TAX) Taxation with a course number range of 100-499, including T280, T380, and T480. This course cannot be applied to your major or minor.

**4 year, 1 co-op (Fall/Winter)**

First Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
BUSN 101	4.0 BSAN 160	4.0 ACCT 115	4.0 VACATION	
BUSN 105	3.0 BUSN 102	4.0 CIVC 101	1.0	
MATH 101	4.0 ECON 201	4.0 ECON 202	4.0	
ENGL 101 or 111	3.0 ENGL 102 or 112	3.0 ENGL 103 or 113	3.0	

UNIV B101	1.0	Business Flexible Requirement Course **	4.0	
	15	15	16	0
<b>Second Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
ACCT 116	4.0 BLAW 201	4.0 Culture, Diversity, & Global Perspective Elective ***	3.0-4.0 ORGB 300	4.0
Business Flexible Requirement Courses **	8.0 COOP 101 *	1.0 INTB Major Elective	4.0 Business Flexible Requirement Course **	4.0
Free Elective	4.0 FIN 301	4.0 Select one of the following INTB courses	4.0 Humanities & Social Science Elective ***	3.0-4.0
	Business Flexible Requirement Course **	4.0 INTB 332	Natural Science & Technology Elective ***	3.0-4.0
	Free Elective	4.0 INTB 334		
		INTB 336		
		INTB 338		
		Free Elective	4.0	
	16	17	15-16	14-16
<b>Third Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
COOP EXPERIENCE	COOP EXPERIENCE	UNIV B201	1.0 Humanities & Social Science Elective ***	3.0-4.0
		Culture, Diversity, & Global Perspective Elective ***	3.0-4.0 Natural Science & Technology Elective ***	3.0-4.0
		INTB Elective	4.0 Free Electives	6.0
		Select one of the following:	4.0	
		INTB 332		
		INTB 336		
		INTB 334		
		INTB 338		
		Free Elective	4.0	
	0	0	16-17	12-14
<b>Fourth Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits</b>	
Business Impact Course <sup>†</sup>	4.0 MGMT 450	4.0 INTB 440	4.0	
INTB Major Elective	8.0 INTB Major Electives	8.0 Free Electives	9.0	
Free Electives	4.0 Free Elective	3.0		
	16	15	13	

**Total Credits 180-186**

\*

Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

\*\*

Select INTB 200, INTB 200, OPM 200, OPM 200, MIS 200, MIS 200, MKTG 201, MKTG 201 or STAT 201, STAT 201. Please note that Business Flexible Requirement courses are all required but can be taken in any order or sequence based on student choice or major. Please consult your academic advisor for additional guidance.

\*\*\*

Please see General Education Electives (<https://catalog.drexel.edu/undergraduate/collegeofbusiness/#bsbageneraleducationelectivestext>) catalog webpage for an up to date listing of eligible courses.

†

Select a course that has one the following subject codes: (ACCT) Accounting, (BSAN) Business Analytics, (STAT) Business Statistics, (ECON) Economics, (FIN) Finance, (BUSN) General Business, (HRMT) Human Resource Management, (INTB) International Business, (BLAW) Business Law, (MGMT) Management, (MIS) Management Information Systems, (MKTG) Marketing, (OPM) Operations Management, (OPR) Operations Research, (ORGB) Organizational Behavior, (REMD) Real Estate Management & Development, (SMT) Sport Management, or (TAX) Taxation with a course number range of 100-499, including T280, T380, and T480. This course cannot be applied to your major or minor.

## 5 year, 3 co-op (Fall Winter)

### First Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
BUSN 101	4.0 BSAN 160	4.0 ACCT 115	4.0 VACATION	
BUSN 105	3.0 BUSN 102	4.0 CIVC 101	1.0	
MATH 101	4.0 COOP 101 <sup>†</sup>	1.0 ECON 202	4.0	
ENGL 101 or 111	3.0 ECON 201	4.0 ENGL 103 or 113	3.0	
UNIV B101	1.0 ENGL 102 or 112	3.0 Business Flexible Requirement Course <sup>**</sup>	4.0	
	15	16	16	0

### Second Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
COOP EXPERIENCE	COOP EXPERIENCE	ACCT 116	4.0 BLAW 201	4.0
		Business Flexible Requirement Course <sup>**</sup>	8.0 FIN 301	4.0
		Select one of the following INTB Courses	4.0 Business Flexible Requirement Course <sup>**</sup>	4.0
		INTB 332	INTB Major Elective	4.0
		INTB 334		
		INTB 336		
		INTB 338		
	0	0	16	16

### Third Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
COOP EXPERIENCE	COOP EXPERIENCE	Culture, Diversity, & Global Perspective Elective <sup>***</sup>	3.0-4.0 ORGB 300	4.0
		Select one of the following sequences:	4.0 Business Flexible Requirement Course <sup>**</sup>	4.0
		INTB 332	Humanities & Social Science Elective <sup>***</sup>	3.0-4.0
		INTB 334	Natural Science & Technology Elective <sup>***</sup>	3.0-4.0
		INTB 336		
		INTB 338		
		Free Elective	6.0	
	0	0	13-14	14-16

### Fourth Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
COOP EXPERIENCE	COOP EXPERIENCE	UNIV B201	1.0 Humanities & Social Science Elective <sup>***</sup>	3.0-4.0
		Culture, Diversity, & Global Perspective Elective <sup>***</sup>	3.0-4.0 Natural Science & Technology Elective <sup>***</sup>	3.0-4.0
		INTB Major Elective	4.0 Free Electives	9.0
		Free Electives	6.0	
	0	0	14-15	15-17

### Fifth Year

Fall	Credits Winter	Credits Spring	Credits
Business Impact Elective <sup>†</sup>	4.0 MGMT 450	4.0 INTB 440	4.0
INTB Elective	8.0 INTB Electives	8.0 Free Electives	9.0
Free Electives	4.0 Free Elective	4.0	
	16	16	13

Total Credits 180-186

\*

Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

\*\*

Select INTB 200, OPM 200 MIS 200, MKTG 201 MKTG 201 or STAT 201 STAT 201. Please note that Business Flexible Requirement courses are all required but can be taken in any order or sequence based on student choice or major. Please consult your academic advisor for additional guidance.

\*\*\*

Please see General Education Electives (<https://catalog.drexel.edu/undergraduate/collegeofbusiness/#bsbageneraleducationelectivestext>) catalog webpage for an up to date listing of eligible courses.

†

Select a course that has one the following subject codes: (ACCT) Accounting, (BSAN) Business Analytics, (STAT) Business Statistics, (ECON) Economics, (FIN) Finance, (BUSN) General Business, (HRMT) Human Resource Management, (INTB) International Business, (BLAW) Business Law, (MGMT) Management, (MIS) Management Information Systems, (MKTG) Marketing, (OPM) Operations Management, (OPR) Operations Research, (ORGB) Organizational Behavior, (REMD) Real Estate Management & Development, (SMT) Sport Management, or (TAX) Taxation with a course number range of 100-499, including T280, T380, and T480. This course cannot be applied to your major or minor.

## 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 minors in French (<https://catalog.drexel.edu/undergraduate/collegeofartsandsciences/frenchminor/>), Japanese (<https://catalog.drexel.edu/undergraduate/collegeofartsandsciences/japaneseminor/>), and Spanish (<https://catalog.drexel.edu/undergraduate/collegeofartsandsciences/spanishminor/>). Each minor can include study of the vocabulary needed for business transactions within the particular language.

Proficiency certificates are also available to students at the intermediate level as proof that students are proficient enough to live abroad and interact with native speakers in their home countries and cultures. Proficiency certificates are available in Arabic (<https://catalog.drexel.edu/undergraduate/collegeofartsandsciences/intermediatearabicproficiencycertificate/>), Chinese (<https://catalog.drexel.edu/undergraduate/collegeofartsandsciences/intermediatechineseproficiencycertificate/>), French (<https://catalog.drexel.edu/undergraduate/collegeofartsandsciences/intermediatefrenchproficiencycertificate/>), German (<https://catalog.drexel.edu/undergraduate/collegeofartsandsciences/intermediategermanproficiencycertificate/>), Japanese, (<https://catalog.drexel.edu/undergraduate/collegeofartsandsciences/intermediatejapaneseproficiencycertificate/>) Korean, (<https://catalog.drexel.edu/undergraduate/collegeofartsandsciences/intermediatekoreanproficiencycertificate/>) and Spanish (<https://catalog.drexel.edu/undergraduate/collegeofartsandsciences/intermediatespanishproficiencycertificate/>).

Visit the Drexel Steinbright Career Development Center (<http://www.drexel.edu/scdc/>) page for more detailed information on co-op and post-graduate opportunities. Also visit the Career Guides (<http://drexel.edu/scdc/career-services/counseling/career-guides/>) provided by the Steinbright Career Development Center.

## Facilities

The 12-story, 177,500-square-foot home for LeBow College of Business is located at the heart of the Drexel University campus, at the intersection of Woodland Walk and Market Street, where it forms a gateway to Drexel and a backdrop to the historic statue of A. J. Drexel (Moses Ezekiel, 1904). The diagonal massing of the lower floors follows Woodland Walk and combines with the new Papadakis Integrated Sciences Building (Diamond & Schmitt, 2011) to energize the University's central quadrangle. The building's tower will mark the LeBow College and Drexel campus from all directions while the open, glassy Market Street façade will showcase the College's student activities to passersby.

The building's organization unites the school's various constituencies around a five-story-high atrium ringed by classrooms, student lounges, events spaces, and offices. The atrium is immediately accessible from main entrances at the three corners of the building. An open stair within the atrium leads to a 300-seat auditorium and 100-seat lecture hall one floor below and to a divisible multipurpose room and additional classrooms above. The building's upper floors contain faculty offices interspersed with seminar rooms and group study rooms. The top floor houses the Dean's suite and a boardroom and conference suite that opens to east- and west-facing terraces.



The building's warm masonry and glass exterior reflects the emerging vocabulary of the next generation of Drexel buildings. Sophisticated solar shading devices allow maximum transparency between the inside and outside while supporting the building's high environmental aspirations.

## Key Building Features

- Five-story atrium
- Finance trading lab with Bloomberg Terminal Room
- 300-seat auditorium
- 160-seat event space
- 100-seat lecture hall
- 45-seat seminar rooms
- 44-seat computer classrooms
- 60-seat classrooms
- Executive MBA (<https://www.lebow.drexel.edu/academics/programs/mba/executive-mba/>) classroom
- 24-seat classrooms
- Special areas for experiential learning simulations and business consulting
- Videoconferencing capabilities
- Integrated teaching technology in all classrooms
- Recording studio to support LeBow College's online programs
- Extensive areas for students to gather socially and for collaborative study, including student collaboration rooms (<https://www.lebow.drexel.edu/about/campuses/philadelphia/gerri-c-lebow-hall/collaboration-rooms/>), two quiet study areas, and 3,500 square feet of student social space
- EMBA Alumni Lounge for the exclusive use of EMBA alumni
- Behavioral Studies Lab
- Starbucks
- Green Globe certifiable, meeting worldwide sustainability standards

Gerri C. LeBow Hall brings together faculty, students, and staff in a state-of-the-art building on the University City campus. Please visit the LeBow College of Business webpage (<https://www.lebow.drexel.edu/>), the Behavioral Lab webpage (<https://www.lebow.drexel.edu/about/campuses/location/behavioral-lab/>), and the Finance Trading Lab webpage (<https://www.lebow.drexel.edu/about/campuses/location/finance-trading-lab-and-bloomberg-terminal-room/>) to learn more about Gerri C. LeBow Hall.

## International Business Faculty

Murugan Anandarajan, PhD (*Drexel University*) *Senior Associate Dean of Academic Programs and Faculty Affairs, Department of Decision Sciences and MIS*. Professor. Cybercrime, strategic management of information technology, unstructured data mining, 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*) *Department of Decision Sciences and MIS*. Professor. Client/Server computing, Enterprise Application Software (EAS)/Enterprise Resource Planning Software (ERP), knowledge-based and decision support applications in operations management.

Jodi Cataline, MBA (*University of Delaware*). Associate Clinical Professor. Global classrooms, Financial literacy

Dana D'Angelo, MBA (*Drexel University*). Clinical Professor. Global classrooms and use of backchannel research

Qizhi Dai, PhD (*University of Minnesota*) *Department of Decision Sciences and MIS*. Associate Professor. Business value of information technology, eCommerce, economics of information technology, information system management.

Lawrence Duke, EdD (*Temple University*) *Acting Department Head*. Clinical Professor. Global marketing, new markets in emerging countries, marketing strategy, digital marketing, marketing technology, marketing.

David Gefen, PhD (*Georgia State University*) *Provost Distinguished Research Professor, Department of Decision Sciences and MIS*. Strategic IT management, IT development and implementation management research methodology, managing the adoption of large IT systems, eCommerce, online auctions, outsourcing; technology adoption.

Shawkat M. Hammoudeh, PhD (*University of Kansas*). Professor. Energy economics, environmental economics, financial economics.

Yanliu Huang, PhD (*The Wharton School, University of Pennsylvania*). Associate Professor. Consumer n-store decision making, consumer planning, new technology in marketing, consumer welfare.

Bang Nam Jeon, PhD (*Indiana University*) *Department of Economics and International Business*. Professor. Financial economics, the Korean economy, currency crises, FDI, regional economic integration and newly industrializing economies.

Ohyun Kwon, PhD (*University of Wisconsin, Madison*). Assistant Professor. International trade and trade agreements.

Dali Ma, PhD (*University of Chicago*). Associate Professor. Social hierarchy; Social networks; Sociology of entrepreneurship; Sociology of transitional China

Vibhas Madan, PhD (*Michigan State University*) *R John Chapel Jr. Dean*. Professor. International trade theory, applied microeconomics.

Eydis Olsen-Robinson, MA (*American University*). Associate Clinical Professor. International business, banking.

Stanley Ridgley, PhD (*Duke University*). Associate Clinical Professor. Business communication; Cognition and strategy; Competitive intelligence; Determinants of Firm Performance; Global Management; New Markets in Emerging Countries; Russian Business Culture.

Samir Shah, DPS (*Pace University*) *Department of Decision Sciences and MIS*. Clinical Professor. Outsourcing, business value of information technology, information system design, management, and leadership.

Srinivasan Swaminathan, PhD (*University of Texas-Austin*). Professor. Marketing strategy, sales promotions, bottom of the pyramid (BOP) markets, marketing.

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

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

## Economic Analysis BAECON / Business Administration MBA

*Major: Economics and Business Administration*

*Degree Awarded: Bachelor of Arts in Economics (BAECON) and Master of Business Administration (MBA)*

*Calendar Type: Quarter*

*Minimum Required Credits: 229.0*

*Co-op Options: One Co-op (Five years)*

BS Classification of Instructional Programs (CIP) code: 45.0601

BS Standard Occupational Classification (SOC) code: 19-3011

MBA Classification of Instructional Programs (CIP) code: 52.0201

MBA Standard Occupational Classification (SOC) code: 11-1021

### About the Program

Drexel LeBow's BA/MBA program provides academically qualified undergraduate students with the opportunity to earn both a bachelor's degree and an MBA within five years of study. Graduating with an MBA and an undergraduate degree provides students with a competitive edge when entering the job market without having the time constraints of typical degree pursuits. This program is offered to all students pursuing a Bachelor of Arts in Economics as well as students from select undergraduate programs across the university.

### Additional Information

For more information please contact our Undergraduate Advising department at [lebowadv@drexel.edu](mailto:lebowadv@drexel.edu).

### Admission Requirements

The BA/MBA program requires a two-tiered application process, which includes both undergraduate and graduate requirements. All applicants are required to complete a BA/MBA Accelerated Degree Application available through the undergraduate BA/MBA advisor for each college.

A plan of study/sequence sheet must be completed for each applicant with the assistance of their undergraduate BA/MBA advisor to ensure that all undergraduate degree requirements are met within the required four years. Both documents must be submitted together for approval and processing.

For additional information please visit the BA/MBA website (<https://www.lebow.drexel.edu/academics/undergraduate/accelerated-dual-degrees/bsmba-dual-degree-program/>).

### Undergraduate Application Requirements

At the undergraduate level, a provisional BA/MBA attribute code will be placed on the student record at the time of admission. Once the student has accumulated 90.0 credits, an Accelerated Degree Application must be completed before reaching 120.0 credits, at which time a BA/MBA code will be placed on the application.

## Degree Requirements

### University Requirements

CIVC 101	Introduction to Civic Engagement	1.0
COOP 101	Career Management and Professional Development *	1.0
UNIV B101	The Drexel Experience	1.0
UNIV B201 [WI]	Career Management	1.0

### General Education Requirements

ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
COM 270 [WI]	Business Communication	3.0
or COM 230	Techniques of Speaking	
Choose One Math Sequence		8.0
MATH 101 & MATH 102	Introduction to Analysis I and Introduction to Analysis II	
MATH 121 & MATH 122	Calculus I and Calculus II	
STAT 201	Introduction to Business Statistics	4.0
Two Science Electives (6.0-8.0) **		6.0
Political Science Elective		4.0
Two Diversity Electives ***		6.0
Two International Studies Electives (6.0-8.0) †		6.0
Two Arts & Humanities Electives		6.0
Two Modern Language Electives		8.0

### 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 326 [WI]	Economic Ideas	4.0

### Economics Electives

Select at least 32.0 credits from the following:		32.0
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ECON 203 [WI]	Survey of Economic Policy	
ECON 248	Mathematical Models in Economics	
ECON 260	Economics of Small Business	
ECON 270	Using Big Data to Solve Economic and Social Problems	
ECON 324	Economics of Happiness	
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 348	Mathematical Economics	
ECON 351	Resource and Environmental Economics	
ECON 350 [WI]	Applied Econometrics	
ECON 354	Money and Banking	
ECON 360	Time Series Econometrics	
ECON 361	Health Economics	
ECON 365	Behavioral Economics	
ECON 366	Topics in Behavioral Economics	
ECON 370	Experiments and Causality in 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	

INTB 440	Seminar in International Business	
SMT 320	Sport Economics	
<b>Free Electives</b>		<b>56.0</b>
<b>MBA Program</b>		
<b>Required Courses</b>		
ACCT 510	Essentials of Financial Reporting	2.0
BLAW 510	Analyzing Legal Options in Decision-Making	2.0
BSAN 601	Business Analytics for Managers	3.0
ECON 601	Managerial Economics	3.0
FIN 601	Corporate Financial Management	3.0
MGMT 520	Strategy Analysis	2.0
MGMT 530	Managing and Leading the Total Enterprise	2.0
MGMT 770	MBA Capstone	2.0
MKTG 510	Marketing Strategy	2.0
ORGB 511	Leading in Dynamic Environments: A Personal, Relational, and Strategic Approach	3.0
POM 510	Operations and Supply Chain Management	2.0
<b>Experiential Requirement: Select one course</b>		<b>3.0</b>
BUSN 615	Graduate Internship	
INTB 790	International Business Seminar and Residency	
MGMT 680	Leading for Innovation	
MGMT 715	Business Consulting	
MIS 652	Business Agility and IT	
ORGB 640	Negotiations for Leaders	
TAX 715	Tax Experiential Learning	
Concentration Requirements		9.0
Free Electives		11.0
<b>Students selecting a concentration can choose from the following:</b>		
<b>Business Analytics Concentration</b>		
Select three of the following		
MIS 612	Aligning Information Systems and Business Strategies	
MIS 630	Inter-Active Decision Support Systems	
MIS 632	Database Analysis and Design for Business	
MKTG 606	Customer Analytics	
MKTG 607	Marketing Experiments	
OPR 601	Managerial Decision Models and Simulation	
POM 645	Supply Chain Analytics	
STAT 610	Statistics for Business Analytics	
STAT 632	Datamining for Managers	
STAT 645	Time Series Forecasting	
STAT T680	Special Topics in STAT	
<b>Finance Concentration</b>		
Select three of the following:		
FIN 602	Advanced Financial Management	
FIN 605	Business Valuation	
FIN 610	Corporate Governance	
FIN 615	Environmental and Social Issues in Finance	
FIN 622	Financial Institutions & Markets	
FIN 624	Risk Management	
FIN 626	Investment Management	
FIN 635	Entrepreneurial Finance	
FIN 639	FinTech	
FIN 645	Behavioral Finance	
FIN 648	International Financial Management	
FIN T680	Special Topics in Finance	
<b>Marketing Concentration</b>		
Select three of the following, of which two MUST be from MKTG (any course with MKTG subject code and course number between 600-699):		
MKTG Course 600-699		
BLAW T680	Special Topics in Legal Studies	
ECON 540	Intro to Econometrics and Data Analysis	
ECON 610	Microeconomics	
INTB 620	International Business Management	
MGMT 655	Knowledge Management	

MIS 624	Systems Analysis & Design
MIS 632	Database Analysis and Design for Business
OPR 601	Managerial Decision Models and Simulation
POM 610	Supply Chain Management I
STAT 634	Quality & Six-Sigma
STAT 645	Time Series Forecasting

**Strategic Technology & Innovation Management Concentration**

## Required Courses

MGMT 602	Innovation Management
MGMT 603	Technology Strategy

## Electives

## Select one of the following:

ECON 650	Business & Economic Strategy: Game Theory & Applications
MGMT 600	Introduction to Change Management: An Integration of Macro and Micro Perspectives
MGMT 604	Strategic Change Management
MGMT 640	Strategic Human Resource Management
MGMT 655	Knowledge Management
MGMT 676	Sustainability and Value Creation
MGMT 680	Leading for Innovation
MGMT 686	Strategy Implementation
MGMT 690	Change Management Experiential Capstone
MIS 641	MIS Policy and Strategy
MIS 652	Business Agility and IT
MKTG 638	New Product Planning, Strategy, and Development
OPR 601	Managerial Decision Models and Simulation
ORGB 602	Leading and Executing Change
ORGB 640	Negotiations for Leaders
STAT 645	Time Series Forecasting

**Corporate Sustainability and Social Impact Concentration**

## Select three of the following:

BLAW 620	Legal Aspects of Employment
FIN 610	Corporate Governance
FIN 615	Environmental and Social Issues in Finance
INDS T680	Special Topics in Interdisciplinary Business
MGMT 670	Business Ethics
MGMT 676	Sustainability and Value Creation
MKTG 654	Corporate Brand & Reputation Management
ORGB T680	Special Topics in ORGB
POM 642	Sustainable Supply Chain Management and Logistics
SMT 606	Social Issues in Sport

**Supply Chain Management & Logistics Concentration**

## Select three of the following:

MGMT 660	Leading the Digital Supply Chain
MIS 624	Systems Analysis & Design
OPR 601	Managerial Decision Models and Simulation
POM 610	Supply Chain Management I
POM 615	Supply Chain Management II
POM 624	Management of Service Firms
POM 630	Transportation & Logistics Management
POM 642	Sustainable Supply Chain Management and Logistics
POM 644	Revenue Management
POM 645	Supply Chain Analytics
POM T680	Special Topics in POM
STAT 634	Quality & Six-Sigma
STAT 645	Time Series Forecasting

**Effective Leadership Concentration**

## Select three of the following:

MGMT 660	Leading the Digital Supply Chain
MGMT 670	Business Ethics
MGMT 676	Sustainability and Value Creation
ORGB 620	Leading Virtual Teams
ORGB 640	Negotiations for Leaders

**Customized Concentration**

Students can self customize a concentration with coordination between their program manager and with faculty guidance. Please see your Program Manager/Academic Advisor for further information

MBA Graduate Credits include courses in Accounting (ACCT), Statistics (STAT), Economics (ECON), Finance (FIN), General Business (BUSN), Interdisciplinary Business (INDS), International Business (INTB), Legal Studies (BLAW), Management (MGMT), Management Information Systems (MIS), Marketing (MKTG), Operations Research (OPR), Organizational Behavior (ORGB), Production Operations Management (POM), Sport Management (SMT) or Taxation (TAX), with a course number range between 500-799 or other approved course at the graduate level.

**Total Credits****229.0**

\*

Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

\*\*

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

\*\*\*

Students should contact the School of Economics for a list of courses that fulfill this requirement.

†

GST 101, GST 102, COM 345, COM 362; SOC 330, SOC 340; PSCI 140, PSCI 150 PSCI 240, PSCI 252, PSCI 255; INTB 200, INTB 332, INTB 334, INTB 336, INTB 337

**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 (<https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list>) at the University Writing Program (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/>) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

**Sample Plan of Study****4+1, 1 co-op (Accelerated program completed in 5 years)**

Students complete undergraduate requirements in four years, then convert to graduate status in the fifth and final year.

**First Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CIVC 101	1.0 ECON 202	4.0 ENGL 103 or 113	3.0 VACATION	
ECON 201	4.0 ENGL 102 or 112	3.0 (UG) Arts & Humanities elective	3.0	
ENGL 101 or 111	3.0 MATH 102	4.0 (UG) Diversity elective	3.0	
MATH 101	4.0 (UG) ECON Elective	4.0 (UG) ECON Elective	4.0	
UNIV B101	1.0	(UG) Science Course	3.0	
	<b>13</b>	<b>15</b>	<b>16</b>	<b>0</b>

**Second Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ECON 301	4.0 COOP 101*	1.0 ECON 326	4.0 (UG) ECON elective	4.0
STAT 201	4.0 ECON 250	4.0 (UG) Free Electives	4.0 (UG) Free Electives	8.0
(UG) Arts & Humanities elective	3.0 ECON 321	4.0 (UG) International Studies elective	3.0 (UG) International Studies elective	3.0
(UG) Political Science elective	4.0 (UG) Diversity elective	3.0 (UG) Modern Language (Second Course)	4.0	
	(UG) Free Elective	3.0 (UG) Science elective	3.0	
	(UG) Modern Language (First Course)	4.0		
	<b>15</b>	<b>19</b>	<b>18</b>	<b>15</b>

**Third Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
COOP EXPERIENCE	COOP EXPERIENCE	(UG) ECON electives	8.0 (UG) ECON elective	4.0
		(UG) Free Electives	8.0 (UG) Free Electives	12.0
	0	0	16	16

**Fourth Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
(UG) ECON elective	4.0 (UG) ECON elective	4.0 ECON 322	4.0 Undergrad Degree Awarded	
(UG) Free Electives	9.0 (UG) Free Electives	8.0 UNIV B201	1.0 Student classified as Graduate Student	
ACCT 510	2.0 BSAN 601	3.0 (UG) Free Electives	7.0	
		ECON 601	3.0	
	15	15	15	0

**Fifth Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
MGMT 530	2.0 BLAW 510	2.0 MGMT 520	2.0 MGMT 770	2.0
MKTG 510	2.0 FIN 601	3.0 (GR) Concentration Requirement	6.0 (GR) Concentration Requirement	3.0
ORGB 511	3.0 (GR) Concentration Requirement	3.0 (GR) Elective	2.0 (GR) Elective	3.0
POM 510	2.0 (GR) Elective	3.0	(GR) Experiential Elective	3.0
	9	11	10	11

**Total Credits 229**

\*

Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

## Economics BS / Business Administration MBA

*Major: Economics and Business Administration*

*Degree Awarded: Bachelor of Science in Economics (BSECON) and Master of Business Administration (MBA)*

*Calendar Type: Quarter*

*Minimum Required Credits: 229.0*

*Co-op Options: One Co-op (Five years)*

BS Classification of Instructional Programs (CIP) code: 45.0603

BS Standard Occupational Classification (SOC) code: 19-3011

MBA Classification of Instructional Programs (CIP) code: 52.0201

MBA Standard Occupational Classification (SOC) code: 11-1021

## About the Program

Drexel LeBow's BS/MBA program provides academically qualified undergraduate students with the opportunity to earn both a bachelor's degree and an MBA within five years of study. Graduating with an MBA and an undergraduate degree provides students with a competitive edge when entering the job market without having the time constraints of typical degree pursuits. This program is offered to all students pursuing a Bachelor of Science in Economics as well as students from select undergraduate programs across the university.

## Additional Information

For more information please contact our Undergraduate Advising department at [lebowadv@drexel.edu](mailto:lebowadv@drexel.edu).

## Admission Requirements

The BS/MBA program requires a two-tiered application process, which includes both undergraduate and graduate requirements. All applicants are required to complete a BS/MBA Accelerated Degree Application available through the undergraduate BS/MBA advisor for each college.

A plan of study/sequence sheet must be completed for each applicant with the assistance of their undergraduate BS/MBA advisor to ensure that all undergraduate degree requirements are met.

For additional information please see the BS/MBA website (<https://www.lebow.drexel.edu/academics/undergraduate/accelerated-dual-degrees/bsmba-dual-degree-program/>).

## Undergraduate Application Requirements

At the undergraduate level, a provisional BS/MBA attribute code will be placed on the student record at the time of admission. Once the student has accumulated 90.0 credits, an Accelerated Degree Application must be completed before reaching 120.0 credits, at which time a BS/MBA code will be placed on the application within the required four years. Both documents must be submitted together for approval and processing.

## Degree Requirements

### University Requirements

CIVC 101	Introduction to Civic Engagement	1.0
COOP 101	Career Management and Professional Development *	1.0
UNIV B101	The Drexel Experience	1.0
UNIV B201 [WI]	Career Management	1.0

### General Education Requirements

ENGL 101 or ENGL 111	Composition and Rhetoric I: Inquiry and Exploratory Research English Composition I	3.0
ENGL 102 or ENGL 112	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing English Composition II	3.0
ENGL 103 or ENGL 113	Composition and Rhetoric III: Themes and Genres English Composition III	3.0
COM 270 [WI] or COM 230	Business Communication Techniques of Speaking	3.0
Select one of the following math sequences **		8.0

MATH 101 & MATH 122	Introduction to Analysis I and Calculus II	
MATH 121 & MATH 122	Calculus I and Calculus II	
CS 150 or CS 171	Computer Science Principles Computer Programming I	3.0
STAT 201	Introduction to Business Statistics	4.0
STAT 202	Business Statistics II	4.0
Science Elective (BIO, CHEM, or PHYS)		3.0
General Education Elective (ANTH, HIST, PHIL, PSY, or SOC)		3.0

### 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 or ECON 370	Time Series Econometrics Experiments and Causality in Economics	4.0

### Economics Electives

Select 28.0 credits from the following:		28.0
ECON 203 [WI]	Survey of Economic Policy	
ECON 248	Mathematical Models in Economics	
ECON 260	Economics of Small Business	
ECON 270	Using Big Data to Solve Economic and Social Problems	
ECON 324	Economics of Happiness	
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 348	Mathematical Economics	
ECON 351	Resource and Environmental Economics	
ECON 354	Money and Banking	



ECON 360	Time Series Econometrics	
ECON 361	Health Economics	
ECON 365	Behavioral Economics	
ECON 366	Topics in Behavioral Economics	
ECON 370	Experiments and Causality in Economics	
ECON T480	Special Topics in 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	
INTB 440	Seminar in International Business	
SMT 320	Sport Economics	
<b>Free Electives</b>		<b>79.0</b>
<b>MBA Program</b>		
<b>Required Courses</b>		
ACCT 510	Essentials of Financial Reporting	2.0
BLAW 510	Analyzing Legal Options in Decision-Making	2.0
BSAN 601	Business Analytics for Managers	3.0
ECON 601	Managerial Economics	3.0
FIN 601	Corporate Financial Management	3.0
MGMT 520	Strategy Analysis	2.0
MGMT 530	Managing and Leading the Total Enterprise	2.0
MGMT 770	MBA Capstone	2.0
MKTG 510	Marketing Strategy	2.0
ORGB 511	Leading in Dynamic Environments: A Personal, Relational, and Strategic Approach	3.0
POM 510	Operations and Supply Chain Management	2.0
<b>Experiential Requirement: Select one course</b>		<b>3.0</b>
BUSN 615	Graduate Internship	
INTB 790	International Business Seminar and Residency	
MGMT 680	Leading for Innovation	
MGMT 715	Business Consulting	
MIS 652	Business Agility and IT	
ORGB 640	Negotiations for Leaders	
TAX 715	Tax Experiential Learning	
Concentration Requirements		9.0
Free Electives		11.0
<b>Students selecting a concentration can choose from the following:</b>		
<b>Business Analytics Concentration</b>		
Select three (3) of the following:		
MIS 612	Aligning Information Systems and Business Strategies	
MIS 630	Inter-Active Decision Support Systems	
MIS 632	Database Analysis and Design for Business	
MKTG 606	Customer Analytics	
MKTG 607	Marketing Experiments	
OPR 601	Managerial Decision Models and Simulation	
POM 645	Supply Chain Analytics	
STAT 610	Statistics for Business Analytics	
STAT 632	Datamining for Managers	
STAT 645	Time Series Forecasting	
STAT T680	Special Topics in STAT	
<b>Effective Leadership Concentration</b>		
Select three (3) of the following:		
MGMT 660	Leading the Digital Supply Chain	
MGMT 670	Business Ethics	
MGMT 676	Sustainability and Value Creation	
ORGB 620	Leading Virtual Teams	
ORGB 640	Negotiations for Leaders	
<b>Finance Concentration</b>		
Select three of the following:		
FIN 602	Advanced Financial Management	
FIN 605	Business Valuation	
FIN 610	Corporate Governance	

FIN 615	Environmental and Social Issues in Finance
FIN 622	Financial Institutions & Markets
FIN 624	Risk Management
FIN 626	Investment Management
FIN 635	Entrepreneurial Finance
FIN 639	FinTech
FIN 645	Behavioral Finance
FIN 648	International Financial Management
FIN T680	Special Topics in Finance

#### Marketing Concentration

Select three of the following, of which two MUST be from MKTG (any course with MKTG subject code and course number between 600-699):

MKTG Course 600-699	
BLAW T680	Special Topics in Legal Studies
ECON 540	Intro to Econometrics and Data Analysis
ECON 610	Microeconomics
INTB 620	International Business Management
MGMT 655	Knowledge Management
MIS 624	Systems Analysis & Design
MIS 632	Database Analysis and Design for Business
OPR 601	Managerial Decision Models and Simulation
POM 610	Supply Chain Management I
STAT 634	Quality & Six-Sigma
STAT 645	Time Series Forecasting

#### Strategic Technology & Innovation Management Concentration

##### Required Courses

MGMT 602	Innovation Management
MGMT 603	Technology Strategy

##### Electives

Select one of the following:

ECON 650	Business & Economic Strategy: Game Theory & Applications
MGMT 600	Introduction to Change Management: An Integration of Macro and Micro Perspectives
MGMT 604	Strategic Change Management
MGMT 640	Strategic Human Resource Management
MGMT 655	Knowledge Management
MGMT 676	Sustainability and Value Creation
MGMT 680	Leading for Innovation
MGMT 686	Strategy Implementation
MGMT 690	Change Management Experiential Capstone
MIS 641	MIS Policy and Strategy
MIS 652	Business Agility and IT
MKTG 638	New Product Planning, Strategy, and Development
OPR 601	Managerial Decision Models and Simulation
ORGB 602	Leading and Executing Change
ORGB 640	Negotiations for Leaders
STAT 645	Time Series Forecasting

#### Corporate Sustainability and Social Impact Concentration

Select three (3) of the following:

BLAW 620	Legal Aspects of Employment
FIN 610	Corporate Governance
FIN 615	Environmental and Social Issues in Finance
INDS T680	Special Topics in Interdisciplinary Business
MGMT 670	Business Ethics
MGMT 676	Sustainability and Value Creation
MKTG 654	Corporate Brand & Reputation Management
ORGB T680	Special Topics in ORGB
POM 642	Sustainable Supply Chain Management and Logistics
SMT 606	Social Issues in Sport

#### Supply Chain Management & Logistics Concentration

Select three (3) of the following:

MGMT 660	Leading the Digital Supply Chain
MIS 624	Systems Analysis & Design
OPR 601	Managerial Decision Models and Simulation

POM 610	Supply Chain Management I
POM 615	Supply Chain Management II
POM 624	Management of Service Firms
POM 630	Transportation & Logistics Management
POM 642	Sustainable Supply Chain Management and Logistics
POM 644	Revenue Management
POM 645	Supply Chain Analytics
POM T680	Special Topics in POM
STAT 634	Quality & Six-Sigma
STAT 645	Time Series Forecasting

**Customized Concentration**

Students can self customize a concentration with coordination between their program manager and with faculty guidance. Please see your Program Manager/Academic Advisor for further information.

MBA Graduate Credits include courses in Accounting (ACCT), Statistics (STAT), Economics (ECON), Finance (FIN), General Business (BUSN), Interdisciplinary Business (INDS), International Business (INTB), Legal Studies (BLAW), Management (MGMT), Management Information Systems (MIS), Marketing (MKTG), Operations Research (OPR), Organizational Behavior (ORGB), Production Operations Management (POM), Sport Management (SMT) or Taxation (TAX), with a course number range between 500-799 or other approved course at the graduate level.

**Total Credits****229.0**

\*

Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be schedule in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

\*\*

Students are encouraged to take the MATH 121, MATH 122 sequence

## 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 (<https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list>) at the University Writing Program (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/>). (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/>) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

## Sample Plan of Study

### 4+1, 1 co-op (Accelerated program completed in 5 years)

Students complete undergraduate requirements in four years, then convert to graduate status in the fifth and final year

**First Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CIVC 101	1.0 ECON 202	4.0 ENGL 103 or 113	3.0 VACATION	
CS 171	3.0 ENGL 102 or 112	3.0 (UG) ECON Elective	4.0	
ECON 201	4.0 MATH 102	4.0 (UG) Free Electives	6.0	
ENGL 101 or 111	3.0 (UG) ECON Elective	4.0 (UG) General Education Elective	3.0	
MATH 101	4.0			
UNIV B101	1.0			
	<b>16</b>	<b>15</b>	<b>16</b>	<b>0</b>

**Second Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
COM 230 or 270	3.0 COOP 101 ***	1.0 ECON 350	4.0 ECON 250	4.0
ECON 301	4.0 ECON 321	4.0 (UG) Free Electives	7.0 (UG) Free Electives	11.0
STAT 201	4.0 STAT 202	4.0 (UG) Science Course	3.0	
(UG) Free Electives	4.0 (UG) Free Electives	7.0		
	<b>15</b>	<b>16</b>	<b>14</b>	<b>15</b>

**Third Year**

<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
COOP EXPERIENCE	COOP EXPERIENCE	ECON 360 or 370	4.0 (UG) ECON elective	4.0
		(UG) ECON elective	4.0 (UG) Free Electives	11.0
		(UG) Free Electives	7.0	
	<b>0</b>	<b>0</b>	<b>15</b>	<b>15</b>

**Fourth Year**

<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
UNIV B201	1.0 BSAN 601	3.0 ECON 322	4.0 Undergrad Degree Awarded	
(UG) ECON elective	4.0 (UG) ECON elective	4.0 (UG) ECON elective	4.0 Student classified as Graduate Student	
(UG) Free Electives	10.0 (UG) Free Electives	10.0 (UG) Free Electives	6.0	
ACCT 510	2.0	ECON 601	3.0	
	<b>17</b>	<b>17</b>	<b>17</b>	<b>0</b>

**Fifth Year**

<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
MGMT 530	2.0 BLAW 510	2.0 MGMT 520	2.0 MGMT 770	2.0
MKTG 510	2.0 FIN 601	3.0 (GR) Concentration Requirement	6.0 (GR) Concentration Requirement	3.0
ORGB 511	3.0 (GR) Concentration Requirement	3.0 (GR) Elective	2.0 (GR) Elective	3.0
POM 510	2.0 (GR) Elective	3.0	(GR) Experiential Elective	3.0
	<b>9</b>	<b>11</b>	<b>10</b>	<b>11</b>

**Total Credits 229**

\*

ECON 270 recommended

\*\*

ECON 203 [WI] recommended

\*\*\*

Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be schedule in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

## Minor in Economics

### About the Minor

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, and would be especially useful for students interested in careers in public policy or law.

### Requirements

- No more than 2 courses or 8.0 credits can be counted towards any additional major/minor/co-major or certificate.
- 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.
- Cannot do a major and a minor in the same field of study.

Students pursuing any of the Economics stand alone or combined majors are not eligible for this minor.

For more information please contact LeBow College Undergraduate Advising Office at [lebowadv@drexel.edu](mailto:lebowadv@drexel.edu) and visit the Undergraduate Advisors website (<https://www.lebow.drexel.edu/academics/undergraduate/academic-advising/advisors/>).

## Program Requirements

### Required Courses

ECON 201	Principles of Microeconomics	4.0
ECON 202	Principles of Macroeconomics	4.0
ECON 301	Microeconomics	4.0

### Select 12.0 credits from of the following:

12.0

ECON 203 [WI]	Survey of Economic Policy
ECON 248	Mathematical Models in Economics
ECON 250	Game Theory and Applications
ECON 260	Economics of Small Business
ECON 270	Using Big Data to Solve Economic and Social Problems
ECON 321	Macroeconomics
ECON 322 [WI]	Economics Seminar
ECON 324	Economics of Happiness
ECON 326 [WI]	Economic Ideas
ECON 331	International Macroeconomics
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
ECON 354	Money and Banking
ECON 361	Health Economics
ECON 365	Behavioral Economics
ECON 366	Topics in Behavioral Economics
ECON 370	Experiments and Causality in 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
SMT 320	Sport Economics

### Total Credits

24.0

## 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 (<https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list>) at the University Writing Program (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/>). (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/>) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

## Minor in Econometrics and Data Analytics

### About the Minor

The minor in Econometrics and Data Analytics provides a solid background for students interested in quantitative analysis and causal inference; i.e., identifying and estimating the effect of changes in the economic environment on the behavior of individuals and firms. This minor provides strong complementarity for students majoring in fields including but not restricted to business, data science, engineering, finance, global studies, law, marketing, and political and social sciences more generally. The minor is especially useful for students interested in pursuing careers with a quantitative focus.

## Additional Information

For more information please contact LeBow College Undergraduate Advising Office at [lebowadv@drexel.edu](mailto:lebowadv@drexel.edu) and visit the Undergraduate Advisors website (<https://www.lebow.drexel.edu/academics/undergraduate/academic-advising/advisors/>).

### Program Requirements

Required Courses		12.0
ECON 270	Using Big Data to Solve Economic and Social Problems	
ECON 350 [WI]	Applied Econometrics *	
Choose 1 of the following 2		
ECON 360	Time Series Econometrics **	
or ECON 370	Experiments and Causality in Economics	
Select twelve (12.0) credits from the following:		12.0
BSAN 160	Business Analytics and Data Visualization	
BSAN 360	Programming for Data Analytics	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
ECON 360	Time Series Econometrics	
ECON 370	Experiments and Causality in Economics	
STAT 201	Introduction to Business Statistics	
or MATH 311	Probability and Statistics I	
STAT 202	Business Statistics II	
or MATH 312	Probability and Statistics II	
STAT 331	Introduction to Data Mining for Business	
STAT 335	Introduction to Experimental Design	
Total Credits		24.0

\*  
ECON 350 [WI] requires ECON 201, ECON 202, and either STAT 201 or MATH 311 as prerequisites.

\*\*  
ECON 360 and ECON 370 require ECON 350 [WI] as a prerequisite.

## 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 (<https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list>) at the University Writing Program (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/>). (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/>) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

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