



DREXEL UNIVERSITY

Charles D. Close  
School of Entrepreneurship

# CATALOG

2023-2024

**UNDERGRADUATE**



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# The Charles D. Close School of Entrepreneurship

## The Charles D. Close School of Entrepreneurship

In today's extremely competitive global workforce, there is an increased value and demand for initiative, independence, and innovation. The Charles D. Close School of Entrepreneurship has pioneered an approach to entrepreneurship education that addresses this need by teaching students to be entrepreneurial thinkers and doers.

Nationally ranked and accredited, the Charles D. Close School offers unique and innovative programs, such as our three-year degree. We believe that all students have the potential to be innovative and to take their ideas and make them a reality. At the Close School of Entrepreneurship, we believe entrepreneurship education empowers everyone.

- We teach an entrepreneurial mindset.
- We teach the skills and processes to start new ventures and also to lead innovation in an established company.
- We provide practical experience and strong entrepreneurship resources. We support student ventures, allowing students to grow their ideas and startups and flex their entrepreneurial muscles.

## Majors

- Entrepreneurship and Innovation (BA) (p. 3)
- Entrepreneurship and Innovation Three-Year Option (BA) (p. 9)
- Sustainability and Innovation (BS) (p. 13)

## Minors

- Corporate Entrepreneurship (p. 19)
- Entrepreneurship and Innovation (p. 20)
- Social Entrepreneurship (p. 20)

## Certificate

- Entrepreneurship (p. 21)

## Background

The Charles D. Close School of Entrepreneurship is the first accredited, degree-granting school of entrepreneurship, independent of a business school, in the nation. The Close School was founded on the principle that every student should have the opportunity to dream big and pursue their passions. We encourage, educate, and enable innovation and entrepreneurship. As a dedicated school of entrepreneurship, we teach an entrepreneurial mindset and practice through experiential methods, excellent teaching, thought leadership, and creative programming - thus igniting students' careers and personal aspirations.

We push our students to start something, to fail, and to start over again. As we coach them through this process, our mission is to foster an entrepreneurial mindset together with acquiring the skill set inherent to the entrepreneurial process.

Why is learning about entrepreneurship important? There are several significant reasons. First, developing entrepreneurial skills will protect you in a weak job market by giving you the tools to create your own jobs. Second, learning about entrepreneurship broadens your perspective about ways to pursue your career entrepreneurially, rather than on traditional pathways in particular fields. Third, today, more than ever, companies seek employees with some type of entrepreneurial experience. Leading companies of all sizes understand that they must **innovate** to survive and prosper. Students who have developed an entrepreneurial mindset have strong communication skills, recognize how to take initiative, and know how to execute. By hiring entrepreneurial individuals, these companies are bringing innovative perspectives into the workplace.

Entrepreneurship is much more than the process of starting a company. Entrepreneurship is a habit of mind and an attitude; a skill set applicable to pursuing innovation in business, personal, and career contexts and an approach to life built around innovative thinking, calculated daring, and proactive behavior. Our goal is to infuse **entrepreneurial thinking and doing** in our courses and related programs.

Our courses and programs are designed to be experiential and interdisciplinary. They are available to all students throughout the University, regardless of major. We offer a fully funded Entrepreneurship Co-op and courses that provide small amounts of seed funding for new student businesses. Through our Baiada Institute for Entrepreneurship, an array of programs and business competitions enhance your entrepreneurial experience.

At the Close School of Entrepreneurship, we believe that **all** students have the potential to be innovative; to take their ideas, in whatever context, and make them a reality.

## Goals and Objectives

- Present entrepreneurship as a way to think, learn, and succeed in terms of values, behaviors, and process.
- Provide an innovative approach to entrepreneurship education.
- Complement and enhance undergraduate and graduate education outcomes for students by developing entrepreneurial thinking within the curriculum.
- Encourage and create a supportive academic and physical environment to allow the pursuit of student passions and development of big ideas.
- Provide students, upon graduation, with three competencies:
  1. The entrepreneurial mindset.
  2. An entrepreneurship toolkit.
  3. Expertise in a specific content area of their choosing.

## School Offerings

The Charles D. Close School of Entrepreneurship offers students various paths to becoming an "entrepreneur." The School is based on the premise that all students have the potential to be innovative: to take their ideas, in whatever context, and make them a reality. The curricular and co-curricular programs are formulated to accommodate students' potential paths to learning and living entrepreneurship.

## Academic Programs

The Close School offers:

- BA and an MS in Entrepreneurship and Innovation
- BS in Sustainability and Innovation
- Undergraduate minors in Corporate Entrepreneurship, Entrepreneurship and Innovation, and Social Entrepreneurship
- Graduate minor in Entrepreneurship and Innovation
- Undergraduate certificate in Entrepreneurship
- Five, stackable graduate certificates:
  - Corporate Entrepreneurship
  - Foundations of Entrepreneurship I
  - Foundations of Entrepreneurship II
  - Social Entrepreneurship
  - New Venture Creation

In addition, the Close School offers all Drexel students many elective courses with minimal or no prerequisites that integrate entrepreneurship education with all other academic disciplines at the University.

Through excellent teaching faculty (serial entrepreneurs and seasoned executives) and tenured/tenure-track faculty, the Close School cultivates a research agenda, providing thought leadership to academics and practitioners. Finally, the Close School of Entrepreneurship collaborates with regional and national organizations and the entrepreneurial community to advance innovation and entrepreneurial initiatives.

## Entrepreneurship and Innovation BA

*Major: Entrepreneurship and Innovation*

*Degree Awarded: Bachelor of Arts (BA)*

*Calendar Type: Quarter*

*Minimum Required Credits: 181.0*

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

*Classification of Instructional Programs (CIP) code: 52.0701*

*Standard Occupational Classification (SOC) code: 11-1011; 11-1021; 11-9199*

### About the Program

The BA in Entrepreneurship and Innovation is designed to teach entrepreneurship as a habit of mind that applies to students in both life and career contexts. Entrepreneurship is about being proactive, enterprising, and innovative. Our holistic approach to teaching challenges students to think and act as an entrepreneur within established companies, in working for small and growing startups, in starting a new venture or self-employment, and in their overall approach to their personal and professional lives. We have developed a curriculum that teaches students entrepreneurial skills such as resilience, collaboration, opportunity recognition, self-efficacy, negotiation, and effective communication.

The program features interdisciplinary coursework in collaboration with other Drexel colleges and schools, providing entrepreneurship students with the opportunity to take classes with future engineers, scientists, artists, and business and community leaders.

### Additional Information

For more information about the BA in Entrepreneurship and Innovation, please contact Justin Fithian at [jmf465@drexel.edu](mailto:jmf465@drexel.edu).

## Degree Requirements

Required Courses:

- Entrepreneurial Mindset: This is a suite of courses that addresses individual entrepreneurial skills such as resiliency, initiative, innovative thinking, and communication. These courses develop personal and interpersonal skills needed to be a successful “entrepreneur” in several contexts.

## Entrepreneurship Co-Op

The co-op experience is the hallmark of a Drexel education. Drexel students intersperse one or three six-month periods of work within their academic plans of study. By weaving together scholarly and practical experiences, Drexel students graduate with a unique set of skills that open up a diverse array of professional opportunities upon graduation.

The Close School recognizes that many undergraduates have already started their own companies. To encourage this entrepreneurial spirit within our student body, the Close School, in collaboration with the Steinbright Career Development Center, offers to all Drexel undergraduate students the opportunity to **use their own company as their co-op experience**. Students who qualify for this opportunity receive a salary (\$19,000), like other co-op students who work for established companies and organizations. Most importantly, students participating in the entrepreneurship co-op receive mentoring from Close School faculty and expert mentors.

## The Baiada Institute for Entrepreneurship

The Baiada Institute is the cradle of entrepreneurship at Drexel University. Open to all students at Drexel, Baiada provides student entrepreneurs with the physical space, mentoring, and resources to start their first (or next) big thing. The Baiada Institute translates the Close School of Entrepreneurship (<http://www.drexel.edu/close/>)’s groundbreaking curriculum into disruptive ideas led by innovative companies, created by Drexel students from all academic disciplines.

- The Process of Entrepreneurship: This set of required courses covers a broad range of topics that immerse students in the practice of entrepreneurship.
- A choice of three concentration areas: Social Entrepreneurship, Corporate Entrepreneurship, and New Venture Creation.
- Electives: Constitutes a group of courses from the Close School and across the University that reflect the themes of innovation and entrepreneurship.
- Minors: All entrepreneurship majors are required to select an academic minor, which will provide domain expertise in their area of interest. Students may select from over 150 minors offered by the University.

**General Education Requirements**

CIVC 101	Introduction to Civic Engagement	1.0
COOP 101	Career Management and Professional Development	1.0
COM 181	Public Relations Principles and Theory	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	
FIN 150	Financial Literacy	4.0
MATH 100	Fundamentals of Mathematics	3.0
PHIL 105	Critical Reasoning	3.0
PHIL 301	Business Ethics	3.0
UNIV C101	The Drexel Experience	1.0

**Two Science or Technology Courses****6.0-8.0**

Choose from any 100-499 level Bioscience and Biotechnology (BIO), Chemistry (CHEM), Food Science (FDSC), Geoscience (GEO), Physics (PHYS), Physics-Environmental Science (PHEV) course OR

Choose from any 100-499 level Computer Science (CS), Information Science & Systems (INFO), Management Information Systems (MIS), Software Engineering (SE) course

**Humanities, Social Science, Communication, Fine Arts (15-17 credits)****15.0-17.0**

Choose from any 100-499 level Communications (COM), Economics (ECON), English (ENGL), History (HIST), Humanities-General (HUM), Philosophy (PHIL), Political Science (PSCI), Psychology (PSY), Sociology (SOC) course or any 100-499 level course from the Westphal College of Media Arts and Design

**Choose one of the following writing intensive courses:****3.0**

COM 270 [WI]	Business Communication
COM 310 [WI]	Technical Communication
COM 317 [WI]	Environmental Communication
COM 320 [WI]	Science Writing
COM 375 [WI]	Grant Writing
ECON 326 [WI]	Economic Ideas
PSY 240 [WI]	Abnormal Psychology
PSY 245 [WI]	Sports Psychology
PSY 250 [WI]	Industrial Psychology

**Culture, Diversity, Global Perspectives (2 courses)****6.0**

Choose from any 100-499 level Africana Studies (AFAS), Anthropology (ANTH), Criminology and Justice Studies (CJS), Global Studies (GST), Jewish Studies (JWST), Women's & Gender Studies (WGST) course.

**Three Language Courses (Foreign Language or Computer Science) \*\*****9.0-12.0**

Choose from any 100-499 Arabic (ARBC), Chinese (CHIN), French (FREN), German (GER), Italian (ITAL), Japanese (JAPN), Korean (KOR), Spanish (SPAN) course OR one of the following CS Language sequences:

CS 150	Computer Science Principles
CS 171	Computer Programming I
CS 172	Computer Programming II

**Entrepreneurship Requirements**

ACCT 120	Accounting Essentials for New Ventures	4.0
BLAW 346	Entrepreneurial Law	4.0
ENTP 100	Innovation Ecosystem	1.0
ENTP 105	Entrepreneurial Thinking	3.0
ENTP 201	The Starter's Toolkit	3.0
ENTP 205	Ready, Set, Fail	3.0
ENTP 209	Build, Measure, Learn	3.0
ENTP 215	Building Entrepreneurial Teams	3.0
ENTP 225 [WI]	Mindfulness & Wellbeing ([WI])	3.0

ENTP 250	Ideation	3.0
ENTP 410 [WI]	Thought Leadership	3.0
ENTP 440	Launch It!: Early Stage	3.0
MKTG 201	Introduction to Marketing Management	4.0
<b>Concentration Requirements</b>		<b>12.0</b>
Select a concentration from the following options:		
<b>Social Entrepreneurship</b>		
ENTP 260	Curiosity, Ecology, Empathy & Ethic	
ENTP 270	Social Entrepreneurship	
ENTP 290	An Entrepreneur's Introduction to Land: Its Essence, Ethics, and Opportunity	
or ENTP 390	Energy Entrepreneurship	
ENTP 375	3BL - Triple Bottom Line	
<b>Corporate Entrepreneurship</b>		
ENTP 109	Idea Accelerator I	
ENTP 285	Organizational Development and Change for Corporate Entrepreneurs	
ENTP 340	Managing Entrepreneurial Growth	
ENTP 385	Innovation in Established Companies	
<b>New Venture Creation</b>		
ENTP 210 [WI]	Leading Start-Ups	
ENTP 325	Early Stage Venture Funding	
ENTP 450	Launch It!	
MKTG 364	Marketing for New Ventures	
<b>Technology Entrepreneurship</b>		
ENTP 109	Idea Accelerator I	
ENTP 309	Idea Accelerator II	
ENTP 329	Entrepreneurship & New Technologies	
MGMT 302	Competing in Technology Industries	
<b>Entrepreneurship Electives</b>		<b>15.0</b>
Select five of the following:		
Any ENTP course not in core requirements or in chosen concentration		
COM 230	Techniques of Speaking	
COM 286	Public Relations Strategies and Tactics	
CRTV 301	Foundations in Creativity	
CRTV 302	Tools and Techniques in Creativity	
CRTV 303	Creativity in the Workplace	
DSMR 231	Retail Operations	
DSMR 330	Immersive Media and Merchandising	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
ENTP 275	Diversity Entrepreneurship	
ENTP 370	Global Entrepreneurship	
ENTP 445	GreenStart: Applying Entrepreneurship to Cultivate Sustainable Solutions	
ENTP T180	Special Topics in Entrepreneurship	
ENTP T280	Special Topics in Entrepreneurship	
ENTP T380	Special Topics in Entrepreneurship	
ENTP T480	Special Topics in Entrepreneurship	
MIS 200	Management Information Systems	
MKTG 344	Professional Personal Selling	
MKTG 347	New Product Development	
PROD 101	History and Analysis of Product Design	
<b>Required Academic Minor †</b>		<b>24.0</b>
<b>Free Electives</b>		<b>23.0-24.0</b>
<b>Total Credits</b>		<b>181.0-189.0</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.

\*\* A computer science course cannot satisfy both a science or technology requirement and a computer language requirement.

† BA students are required to complete an academic minor offered by any other Drexel College or School.

## 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 Coop Spring/Summer Cycle

#### First Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ENGL 101 or 111	3.0 CIVC 101	1.0 ACCT 120	4.0 VACATION	
ENTP 100	1.0 ENGL 102 or 111	3.0 COOP 101*	1.0	
ENTP 105	3.0 ENTP 205	3.0 ENGL 103 or 113	3.0	
ENTP 250	3.0 ENTP 215	3.0 ENTP 201	3.0	
MATH 100	3.0 FIN 150	4.0 ENTP 225	3.0	
PHIL 105	3.0 Foreign or Computer Language	3.0-4.0 Foreign or Computer Language	3.0-4.0	
UNIV C101	1.0			
	<b>17</b>	<b>17-18</b>	<b>17-18</b>	<b>0</b>

#### Second Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ENTP 209	3.0 COM 181	3.0 COOP EXPERIENCE	COOP EXPERIENCE	
ENTP 440	3.0 PHIL 301	3.0		
Foreign or Computer Language	3.0-4.0 ENTP Concentration Course	3.0		
Science or Technology Course	3.0-4.0 Required Minor Course	3.0		
Free Elective	3.0 Science or Technology Course	3.0-4.0		
	<b>15-17</b>	<b>15-16</b>	<b>0</b>	<b>0</b>

#### Third Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
MKTG 201	4.0 Culture, Diversity, and Global Perspectives Course	3.0 COOP EXPERIENCE	COOP EXPERIENCE	
ENTP Concentration Course	3.0 Humanities, Social Science, Communication, Fine Arts Course	6.0-8.0		
ENTP Elective Course	3.0 Required Minor Course	3.0		
Humanities, Social Science, Communication or Fine Arts	3.0-4.0 Free Elective	3.0		
Required Minor Course	3.0			
	<b>16-17</b>	<b>15-17</b>	<b>0</b>	<b>0</b>

#### Fourth Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
BLAW 346	4.0 ENTP Concentration Course	3.0 COOP EXPERIENCE	COOP EXPERIENCE	
ENTP Elective Course	3.0 ENTP Elective Course	3.0		

Culture, Diversity, and Global Perspectives Course	3.0 Humanities, Social Science, Communication, Fine Arts Course	3.0-4.0		
Humanities, Social Science, Communication, Fine Arts Course	3.0-4.0 Non-major Writing Intensive Course (WI)	3.0		
Required Minor Course	3.0 Required Minor Course	3.0		
<b>16-17</b>		<b>15-16</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>	
ENTP 410	3.0 ENTP Elective Course	3.0 ENTP Elective Course	3.0	
ENTP Concentration Course	3.0 Required Minor Course	3.0 Required Minor Course	3.0	
Required Minor Course	3.0 Free Electives	6.0 Free Electives	6.0	
Free Electives	5.0			
<b>14</b>		<b>12</b>	<b>12</b>	

Total Credits 181-191

\* 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 Coop Spring/Summer Cycle

<b>First Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
ENGL 101 or 111	3.0 CIVC 101	1.0 ACCT 120	4.0 VACATION	
ENTP 100	1.0 ENGL 102 or 112	3.0 ENGL 103 or 113	3.0	
ENTP 105	3.0 ENTP 205	3.0 ENTP 201	3.0	
ENTP 250	3.0 ENTP 215	3.0 ENTP 225	3.0	
MATH 100	3.0 FIN 150	4.0 Foreign or Computer Language	3.0-4.0	
PHIL 105	3.0 Foreign or Computer Language	3.0-4.0		
UNIV C101	1.0			
<b>17</b>		<b>17-18</b>	<b>16-17</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>
ENTP 209	3.0 COM 181	3.0 COOP 101*	1.0 Culture, Diversity, and Global Perspectives Course	3.0
ENTP 440	3.0 PHIL 301	3.0 MKTG 201	4.0 Humanities, Social Science, Communication, or Fine Arts Courses	6.0
Foreign or Computer Language	3.0-4.0 ENTP Concentration Course	3.0 ENTP Concentration Course	3.0 Required Minor Course	3.0
Science or Technology Course	3.0-4.0 Required Minor course	3.0 ENTP Elective Course	3.0 Free Elective	3.0
Free Elective	3.0 Science or Technology Course	3.0-4.0 Humanities, Social Science, Communication, or Fine Arts Course	3.0-4.0	
			Required Minor Course	3.0
<b>15-17</b>		<b>15-16</b>	<b>17-18</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>
BLAW 346	4.0 ENTP Concentration Course	3.0 COOP EXPERIENCE	COOP EXPERIENCE	
Culture, Diversity, and Global Perspectives Course	3.0 ENTP Elective Course	3.0		



ENTP Elective Course	3.0 Humanities, Social Science, Communication, or Fine Arts Course	3.0		
Humanities, Social Science, Communication, or Fine Arts Course	3.0 Non-major writing intensive course (WI)	3.0		
Required Minor Course	3.0 Required Minor Course	3.0		
	Free Elective	2.0		
	<b>16</b>	<b>17</b>	<b>0</b>	<b>0</b>

**Fourth Year**

<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits</b>	
ENTP 410	3.0 ENTP Elective Course	3.0 ENTP Elective	3.0	
ENTP Concentration Course	3.0 Required Minor Course	3.0 Required Minor Course	3.0	
Required Minor Course	3.0 Free Electives	6.0 Free Electives	6.0	
Free Elective	3.0			
	<b>12</b>	<b>12</b>	<b>12</b>	

Total Credits 181-187

\* 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 Plan of Study****First Year**

<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
ENGL 101 or 111	3.0 CIVC 101	1.0 ACCT 120	4.0 VACATION	
ENTP 100	1.0 ENGL 102 or 112	3.0 ENGL 103 or 113	3.0	
ENTP 105	3.0 ENTP 205	3.0 ENTP 201	3.0	
ENTP 250	3.0 ENTP 215	3.0 ENTP 225	3.0	
MATH 100	3.0 FIN 150	4.0 Foreign or Computer Language	3.0-4.0	
PHIL 105	3.0 Foreign or Computer Language	3.0-4.0		
UNIV C101	1.0			
	<b>17</b>	<b>17-18</b>	<b>16-17</b>	<b>0</b>

**Second Year**

<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
ENTP 209	3.0 COM 181	3.0 MKTG 201	4.0 VACATION	
ENTP 440	3.0 PHIL 301	3.0 ENTP Concentration Course	3.0	
Foreign or Computer Language	3.0-4.0 ENTP Concentration Course	3.0 ENTP Elective Course	3.0	
Science or Technology Course	3.0-4.0 Required Minor Course	3.0 Humanities, Social Science, Communication, or Fine Arts Course	3.0-4.0	
Free Elective	3.0 Science or Technology Course	3.0-4.0 Required Minor Course	3.0	
	<b>15-17</b>	<b>15-16</b>	<b>16-17</b>	<b>0</b>

**Third Year**

<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
BLAW 346	4.0 ENTP Concentration Course	3.0 Culture, Diversity, and Global Perspectives Course	3.0 VACATION	
Culture, Diversity, and Global Perspectives Course	3.0 ENTP Elective Course	3.0 Humanities, Social Science, Communication, or Fine Arts Courses	6.0	
ENTP Elective Course	3.0 Humanities, Social Science, Communication, or Fine Arts Course	3.0 Required Minor Course	3.0	

Humanities, Social Science, Communication, or Fine Arts Course	3.0 Non-Major Writing-Intensive Course (WI)	3.0 Free Elective	3.0
Required Minor Course	3.0 Required Minor Course	3.0	
	Free Elective	3.0	
	<b>16</b>	<b>18</b>	<b>15</b>

**Fourth Year**

Fall	Credits Winter	Credits Spring	Credits
ENTP 410	3.0 ENTP Elective Course	3.0 ENTP Elective Course	3.0
ENTP Concentration Course	3.0 Required Minor Course	3.0 Required Minor Course	3.0
Required Minor course	3.0 Free Electives	6.0 Free Electives	6.0
Free Elective	3.0		
	<b>12</b>	<b>12</b>	<b>12</b>

Total Credits 181-187

## Entrepreneurship and Innovation Faculty

Donna De Carolis, PhD (*Temple University*) *Founding Dean, Silverman Family Professor of Entrepreneurial Leadership.*

Liza Herzog, JD, PhD (*Temple University, University of Pennsylvania*). Adjunct Instructor.

Barrie Litzky, PhD (*Drexel University*). Associate Professor.

Larissa Milne, MBA (*Drexel University*). Adjunct Assistant Professor.

Ozlem Ogutveren-Gonul, PhD (*Gazi University, Ankara, Turkey*). Assistant Teaching Professor. Entrepreneurship education, Entrepreneurial failure, Entrepreneurial mindset, Ideation, Social capital, Person-job fit, Person-organization fit, Social entrepreneurship.

Scott Quitel, JD, MBA (*Temple University*). Associate Teaching Professor. Novel ecosystems; Ecological impacts of climate change, rising sea level, and saltwater intrusion; Water quality and aquatic ecosystem health; Organic, lightly structured education

Charles Sacco, MBA (*Drexel University*) *Associate Dean for Strategy and Innovation; Director of the Baiada Institute for Entrepreneurship.*

Damian Salas, MBA (*Drexel University*) *Associate Dean for Academic Partnerships.* Assistant Teaching Professor. Strategic Entrepreneurship; Entrepreneurial Growth; Human Capital Management

Zahed Subhan, PhD, JD/LLB (Law) (*University of Leeds (UK); London University*). Teaching Professor. Marketing, Entrepreneurship, Innovation Management

John Wilson, PhD (*Regent University*). Assistant Teaching Professor. Intrapreneurship, Corporate Entrepreneurship, Self-Leadership, Employee Empowerment, Corporate Social Responsibility, Leadership, Innovation

Kahlil Wyche, MS (*Drexel University*). Adjunct Instructor.

## Entrepreneurship and Innovation Three-Year Option BA

*Major: Entrepreneurship and Innovation*

*Degree Awarded: Bachelor of Arts (BA)*

*Calendar Type: Quarter*

*Minimum Required Credits: 181.0*

*Co-op Options: None*

*Classification of Instructional Programs (CIP) code: 52.0701*

*Standard Occupational Classification (SOC) code: 11-1011*

## About the Program

The three-year BA in Entrepreneurship and Innovation program is a unique, accelerated plan of study that teaches entrepreneurship as a habit-of-mind that applies to both the student's career and life. Entrepreneurship is about being proactive, enterprising, and innovative. The three-year degree in Entrepreneurship and Innovation offered by the Close School is rigorous and sustains all the standards of our four- or five-year degree programs. It is a degree that is particularly appealing to the student who is determined, disciplined, and goal-oriented—as we find that many entrepreneurship students are.

Our comprehensive approach to teaching challenges students to think and act as an entrepreneur within companies, startups, or self-employment. We have developed a curriculum that teaches resilience, collaboration, negotiation, and communication. Students will learn how to manage growth, secure

funding, or manage a family firm. We stress interdisciplinary work and flexibility with all Drexel schools through the required academic minor and offer three-year students advanced experiential learning in our exclusive Entrepreneurship Practicum. Students will also have access to the Baiada Institute for Entrepreneurship (<https://drexel.edu/baiada/>).

This is a rigorous program designed for the highly ambitious student ready to enter the workforce early, planning to launch a new venture upon graduation, or lead innovation in an established company. Ideal students are high achievers or self-starters.

## Benefits of the Three-Year Degree

One of the main benefits of this program is that students receive the same education and experience from a typical four- or five-year degree program but in just three years. This results in:

- Decreased living expenses for 1-2 years
- Better utilization of school time and opportunities
- Expedited path to graduation and career advancement
- A unique, custom-designed practicum

The three-year degree not only takes a shorter time to achieve, but also offers students opportunities for funding, mentoring, and incubator space while giving them real-world experience and the ability to work alongside some of Philadelphia's most driven and creative young entrepreneurs.

The three-year degree program offers practical experience and business education from highly regarded entrepreneurs who have been involved in many successful startups and ventures of their own. Our professors and mentors are TEDx speakers, experienced business executives, and serial entrepreneurs ready to help you learn and build your entrepreneurial mindset.

## Questions about this program?

If you have any questions or would like to speak with an advisor, please contact:

### Justin Fithian

Assistant Director of Academic Advising and Student Success

Charles D. Close School of Entrepreneurship

3230 Market Street

Philadelphia, PA 19104

Email: [jmf465@drexel.edu](mailto:jmf465@drexel.edu) ([rk25@drexel.edu](mailto:rk25@drexel.edu))

## Degree Requirements

### General Education Requirements

CIVC 101	Introduction to Civic Engagement	1.0
COM 181	Public Relations Principles and Theory	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	
FIN 150	Financial Literacy	4.0
MATH 100	Fundamentals of Mathematics	3.0
PHIL 105	Critical Reasoning	3.0
PHIL 301	Business Ethics	3.0
UNIV C101	The Drexel Experience	1.0
Humanities, Social Science, Communication, Fine Arts (15-17 credits) *		15.0-17.0
Language Requirements (3 courses) **		9.0-12.0
Two Science or Technology Courses ***		6.0-8.0
Culture, Diversity, Global Perspectives (2 courses) †		6.0
Writing-Intensive (non-major) (1 course)		3.0

### ENTP Core Requirements

ACCT 120	Accounting Essentials for New Ventures	4.0
BLAW 346	Entrepreneurial Law	4.0
ENTP 100	Innovation Ecosystem	1.0
ENTP 105	Entrepreneurial Thinking	3.0
ENTP 201	The Starter's Toolkit	3.0
ENTP 205	Ready, Set, Fail	3.0
ENTP 209	Build, Measure, Learn	3.0

ENTP 215	Building Entrepreneurial Teams	3.0
ENTP 225 [WI]	Mindfulness & Wellbeing	3.0
ENTP 250	Ideation	3.0
ENTP 395	Entrepreneurship Practicum	12.0
ENTP 410 [WI]	Thought Leadership	3.0
ENTP 440	Launch It!: Early Stage	3.0
MKTG 201	Introduction to Marketing Management	4.0
<b>ENTP Electives - Select 7 of the following:</b>		<b>21.0</b>
COM 286	Public Relations Strategies and Tactics	
CRTV 301	Foundations in Creativity	
CRTV 302	Tools and Techniques in Creativity	
CRTV 303	Creativity in the Workplace	
DSMR 231	Retail Operations	
DSMR 330	Immersive Media and Merchandising	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
ENTP 109	Idea Accelerator I	
ENTP 210 [WI]	Leading Start-Ups	
ENTP 260	Curiosity, Ecology, Empathy & Ethic	
ENTP 270	Social Entrepreneurship	
ENTP 275	Diversity Entrepreneurship	
ENTP 285	Organizational Development and Change for Corporate Entrepreneurs	
ENTP 290	An Entrepreneur's Introduction to Land: Its Essence, Ethics, and Opportunity	
ENTP 309	Idea Accelerator II	
ENTP 325	Early Stage Venture Funding	
ENTP 329	Entrepreneurship & New Technologies	
ENTP 340	Managing Entrepreneurial Growth	
ENTP 370	Global Entrepreneurship	
ENTP 375	3BL - Triple Bottom Line	
ENTP 385	Innovation in Established Companies	
ENTP 390	Energy Entrepreneurship	
ENTP 445	GreenStart: Applying Entrepreneurship to Cultivate Sustainable Solutions	
ENTP 450	Launch It!	
ENTP T180	Special Topics in Entrepreneurship	
ENTP T280	Special Topics in Entrepreneurship	
ENTP T380	Special Topics in Entrepreneurship	
ENTP T480	Special Topics in Entrepreneurship	
MGMT 302	Competing in Technology Industries	
MIS 200	Management Information Systems	
MKTG 347	New Product Development	
MKTG 364	Marketing for New Ventures	
PROD 210	Introduction to Product Design	
Required Specialization Minor		24.0
Free electives		17.0-20.0
<b>Total Credits</b>		<b>180.0-190.0</b>

\* Choose from Communications (COM), Economics (ECON), English (ENGL), History (HIST), Humanities-General (HUM), Philosophy (PHIL), Political Science (PSCI), Psychology (PSY), Sociology (SOC) or any course from the Westphal College of Media Arts and Design (<http://catalog.drexel.edu/undergraduate/collegeofmediaartsanddesign/>)

\*\* Arabic (ARBC), Chinese (CHIN), French (FREN), German (GER), Italian (ITAL), Japanese (JAPN), Korean (KOR), Spanish (SPAN) OR the following CS Language sequence:

CS 150 Computer Science Principles

CS 171 Computer Programming I

CS 172 Computer Programming II

A computer science course cannot satisfy both a science and technology requirement and a computer language requirement.

\*\*\* Choose from Bioscience and Biotechnology (BIO), Chemistry (CHEM), Environmental Studies & Sustainability (ENSS), Environmental Science (ENVS), Food Science (FDSC), Geoscience (GEO), Physics (PHYS), Physics-Environmental Science (PHEV) OR Choose from Computer Science (CS), Information Science & Systems (INFO), Management Information Systems (MIS), Software Engineering (SE)



† Choose from Choose from Africana Studies (AFAS), Anthropology (ANTH), Criminal Justice (CJS), Global Studies (GST), Jewish Studies (JWST), Women's & Gender Studies (WGST)

## 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

### First Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ENGL 101 or 111	3.0 CIVC 101	1.0 ACCT 120	4.0 Free Elective	4.0
ENTP 100	1.0 ENGL 102 or 112	3.0 ENGL 103 or 113	3.0 Required Minor Course	3.0
ENTP 105	3.0 ENTP 205	3.0 ENTP 201	3.0 Science or Technology Course	3.0-4.0
ENTP 250	3.0 ENTP 215	3.0 ENTP 225	3.0 Culture, Diversity, Global Perspectives Course	3.0
PHIL 105	3.0 FIN 150	4.0 Culture, Diversity, Global Perspectives Course	3.0 Humanities, Social Science, Communication, Fine Arts Course	3.0-4.0
MATH 100	3.0 Science or Technology Course	3.0-4.0 Required Minor Course	3.0	
UNIV C101	1.0			
	<b>17</b>	<b>17-18</b>	<b>19</b>	<b>16-18</b>

### Second Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
COM 181	3.0 MKTG 201	4.0 Entrepreneurship Elective	3.0 ENTP 395	12.0
ENTP 209	3.0 Entrepreneurship Elective	3.0 Humanities, Social Science, Communication, Fine Arts Course	3.0-4.0	
ENTP 440	3.0 Humanities, Social Science, Communication, Fine Arts Course	3.0-4.0 Non-Major Writing-Intensive (WI) Course	3.0	
Entrepreneurship Elective	3.0 Required Language Course	3.0-4.0 Required Language Course	3.0-4.0	
Required Language Course	3.0-4.0 Required Minor Course	3.0 Required Minor Course	3.0	
Required Minor Course	3.0			
	<b>18-19</b>	<b>16-18</b>	<b>15-17</b>	<b>12</b>

### Third Year

Fall	Credits Winter	Credits Spring	Credits
BLAW 346	4.0 PHIL 301	3.0 Entrepreneurship Electives	6.0
ENTP 410	3.0 Entrepreneurship Elective	3.0 Free Elective	4.0
Entrepreneurship Elective	3.0 Humanities, Social Science, Communication, Fine Arts Course	3.0-4.0 Humanities, Social Science, Communication, Fine Arts Course	3.0-4.0
Free Elective	3.0 Free Electives	6.0 Required Minor Course	3.0

Required Minor Course	3.0 Required Minor Course	3.0	
	16	18-19	16-17

Total Credits 180-190

## Entrepreneurship and Innovation Faculty

Donna De Carolis, PhD (*Temple University*) *Founding Dean, Silverman Family Professor of Entrepreneurial Leadership.*

Liza Herzog, JD, PhD (*Temple University, University of Pennsylvania*). Adjunct Instructor.

Barrie Litzky, PhD (*Drexel University*). Associate Professor.

Larissa Milne, MBA (*Drexel University*). Adjunct Assistant Professor.

Ozlem Ogutveren-Gonul, PhD (*Gazi University, Ankara, Turkey*). Assistant Teaching Professor. Entrepreneurship education, Entrepreneurial failure, Entrepreneurial mindset, Ideation, Social capital, Person-job fit, Person-organization fit, Social entrepreneurship.

Scott Quitel, JD, MBA (*Temple University*). Associate Teaching Professor. Novel ecosystems; Ecological impacts of climate change, rising sea level, and saltwater intrusion; Water quality and aquatic ecosystem health; Organic, lightly structured education

Charles Sacco, MBA (*Drexel University*) *Associate Dean for Strategy and Innovation; Director of the Baiada Institute for Entrepreneurship.*

Damian Salas, MBA (*Drexel University*) *Associate Dean for Academic Partnerships.* Assistant Teaching Professor. Strategic Entrepreneurship; Entrepreneurial Growth; Human Capital Management

Zahed Subhan, PhD, JD/LLB (Law) (*University of Leeds (UK); London University*). Teaching Professor. Marketing, Entrepreneurship, Innovation Management

John Wilson, PhD (*Regent University*). Assistant Teaching Professor. Intrapreneurship, Corporate Entrepreneurship, Self-Leadership, Employee Empowerment, Corporate Social Responsibility, Leadership, Innovation

Kahlil Wyche, MS (*Drexel University*). Adjunct Instructor.

## Sustainability and Innovation BS

*Major: Sustainability and Innovation*

*Degree Awarded: Bachelor of Science (BS)*

*Calendar Type: Quarter*

*Minimum required credits: 181*

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

*Classification of Instructional Programs (CIP) code: 52.0701*

*Standard Occupational Classification (SOC) code: 11-1011, 11-1021*

### About the Program

The BS in Sustainability and Innovation offers a unique multidisciplinary perspective on current-day social and environmental challenges and provides students with the tools needed to create responsive, market-based solutions. This degree embeds the Charles D. Close School's unique approach to teaching entrepreneurship as a habit of mind within the framework of environmental stewardship, social equity, and economic sustainability. Graduates of this degree will be prepared to innovate in a variety of contexts including established companies, new or growing ventures, social enterprises, educational institutions, and other nonprofits.

Sustainability is the simultaneous pursuit of human flourishing, environmental quality, and economic well-being for current and future generations. In accordance with United Nations Sustainable Development Goals, this degree challenges students to recognize the complex nature of solving problems at the intersection of civil society, the marketplace, and the natural environment. This degree includes courses in the arts, sciences, and business, to provide a deeper understanding of the fields in which you will innovate, and requires you to pursue a minor outside of the Charles D. Close School to further fuel your passion and knowledge.

### What will you learn?

- **Critical Thinking:** Examine the interconnected relationships between social, environmental, economic, and natural environments informed by the United Nations 2030 Agenda for Sustainable Development.
- **Ethical Decision Making:** Apply ethical frameworks to the ideation, process, and practice of entrepreneurship.
- **Resilience:** Build the personal strengths required to respond to uncertainty and failure in an innovative environment.
- **Effective Communication Skills:** Communicate effectively and dynamically in a range of situations associated with an innovative environment.

## Who should enroll?

According to the International Labor Organization (ILO) ([https://www.ilo.org/wcmsp5/groups/public/---dgreports/---dcomm/---publ/documents/publication/wcms\\_628708.pdf](https://www.ilo.org/wcmsp5/groups/public/---dgreports/---dcomm/---publ/documents/publication/wcms_628708.pdf)), new jobs in sustainability and innovation are poised to grow by 24 million globally by 2030. The marketplace is undergoing a radical and permanent shift towards sustainability in all aspects of operations. With a degree in Sustainability and Innovation, you will be ready to:

- Apply your foundational understanding of major social and environmental problems to become an impact entrepreneur and agent of change.
- Start your own business or enter existing and emerging job markets in industry sectors poised for impact innovation, including, but not limited to:
  - Transportation
  - Construction and Engineering
  - Energy and Environmental Stewardship
  - Education
  - Healthcare
  - Fashion
  - Agriculture and Forestry
  - Governmental and Regulatory Administration
  - Arts and Entertainment
  - Job Training and Development
- This program is designed for individuals who are passionate about making the world a better place. Students who are interested in using entrepreneurship and innovation to create impactful solutions to society's most pressing problems are encouraged to apply.

## Additional Information

If you have any questions or would like to speak with an advisor, please contact:

### Justin Fithian

Assistant Director of Academic Advising and Student Success  
 Charles D. Close School of Entrepreneurship  
 3230 Market Street  
 Philadelphia, PA 19104  
 Email: [jmf465@drexel.edu](mailto:jmf465@drexel.edu) ([jmf465@drexel.edu](mailto:jmf465@drexel.edu))

## Admission Requirements

Please visit this link for admission requirements: <https://drexel.edu/undergrad/apply/freshmen-instructions/>

## Degree Requirements

### General Education Requirements

CIVC 101	Introduction to Civic Engagement	1.0
COM 181	Public Relations Principles and Theory	3.0
COOP 101	Career Management and Professional Development *	1.0
ECON 201	Principles of Microeconomics	4.0
ECON 202	Principles of Macroeconomics	4.0
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	
FIN 150	Financial Literacy	4.0
PHIL 105	Critical Reasoning	3.0
PHIL 301	Business Ethics	3.0
PSY 101	General Psychology I	3.0
SOC 101	Introduction to Sociology	3.0
UNIV C101	The Drexel Experience	1.0

### Select ONE of the following sequences

MATH 101 & MATH 102	Introduction to Analysis I and Introduction to Analysis II	8.0
MATH 121 & MATH 122	Calculus I and Calculus II	

### Culture, Diversity, Global Perspectives (2 courses)

6.0

Choose from any 100-499 level Africana Studies (AFAS), Anthropology (ANTH), Criminology and Justice Studies (CJS), Global Studies (GST), Jewish Studies (JWST), Women's & Gender Studies (WGST) courses.		
<b>Humanities, Social Science, Communication, or Fine Arts (3 Courses)</b>		<b>9.0-12.0</b>
Choose from any 100-499 level Communications (COM), Economics (ECON), English (ENGL), History (HIST), Humanities-General (HUM), Philosophy (PHIL), Political Science (PSCI), Psychology (PSY), Sociology (SOC) course or any course from the Westphal College of Media Arts and Design courses.		
<b>Science or Technology (2 courses)</b>		<b>6.0-8.0</b>
Choose from any 100-499 level Bioscience and Biotechnology (BIO), Chemistry (CHEM), Food Science (FDSC), Geoscience (GEO), Physics (PHYS), Physics-Environmental Science (PHEV) courses.		
Choose from any 100-499 level Computer Science (CS), Information Science & Systems (INFO), Management Information Systems (MIS), Software Engineering (SE) courses.		
<b>Choose one of the following Writing Intensive Courses</b>		<b>3.0</b>
COM 270 [WI]	Business Communication	
COM 310 [WI]	Technical Communication	
COM 317 [WI]	Environmental Communication	
COM 320 [WI]	Science Writing	
COM 375 [WI]	Grant Writing	
ECON 326 [WI]	Economic Ideas	
PSY 240 [WI]	Abnormal Psychology	
PSY 245 [WI]	Sports Psychology	
PSY 250 [WI]	Industrial Psychology	
<b>Entrepreneurship Requirements</b>		
ACCT 120	Accounting Essentials for New Ventures	4.0
ENSS 120	Introduction to Environmental Studies	3.0
ENTP 100	Innovation Ecosystem	1.0
ENTP 105	Entrepreneurial Thinking	3.0
ENTP 201	The Starter's Toolkit	3.0
ENTP 205	Ready, Set, Fail	3.0
ENTP 210 [WI]	Leading Start-Ups	3.0
ENTP 215	Building Entrepreneurial Teams	3.0
ENTP 225 [WI]	Mindfulness & Wellbeing	3.0
ENTP 250	Ideation	3.0
ENTP 260	Curiosity, Ecology, Empathy & Ethic	3.0
ENTP 270	Social Entrepreneurship	3.0
ENTP 290	An Entrepreneur's Introduction to Land: Its Essence, Ethics, and Opportunity	3.0
ENTP 375	3BL - Triple Bottom Line	3.0
ENTP 445	GreenStart: Applying Entrepreneurship to Cultivate Sustainable Solutions	3.0
PBHL 101	Public Health 101	3.0
<b>Innovation Requirements (Choose 5) **</b>		<b>15.0-18.0</b>
CRTV 301	Foundations in Creativity	
CRTV 302	Tools and Techniques in Creativity	
CRTV 303	Creativity in the Workplace	
ENTP 109	Idea Accelerator I	
ENTP 275	Diversity Entrepreneurship	
ENTP 285	Organizational Development and Change for Corporate Entrepreneurs	
ENTP 209	Build, Measure, Learn	
ENTP 309	Idea Accelerator II	
ENTP 325	Early Stage Venture Funding	
ENTP 329	Entrepreneurship & New Technologies	
ENTP 340	Managing Entrepreneurial Growth	
ENTP 370	Global Entrepreneurship	
ENTP 385	Innovation in Established Companies	
ENTP 390	Energy Entrepreneurship	
ENTP 410 [WI]	Thought Leadership	
FDSC 154	Science of Food and Cooking	
MKTG 201	Introduction to Marketing Management	
MKTG 364	Marketing for New Ventures	
MKTG 368	Corporate Responsibility Management	
SCTS 202	Innovation and Social Justice	
<b>Sustainability Requirements (Choose 6) ***</b>		<b>18.0-24.0</b>
DSMR 201	Analysis of Product	
DSMR 210	Presentation Techniques Design and Merchandising	
DSMR 475	Design and Merchandising in the Circular Economy	



ENSS 244	Sociology of the Environment	
ENSS 283	Introduction to Environmental Policy	
ENSS 285	Introduction to Urban Planning	
ENSS 326	Cities and Sustainability	
ENSS 346	Environmental Justice	
ENVS 260	Environmental Science and Society	
ENVS 275	Global Climate Change	
ENVS 289	Global Warming, Biodiversity and Your Future	
PBHL 317	The World's Water	
PSCI 305	Social Development: A Global Approach	
PSCI 336	Political Economy of Climate Change	
PSCI 338	Cities and Climate Change	
SOC 115	Social Problems	
SOC 349	Sociology of Disasters	
<b>Required Academic Minor †</b>		<b>24.0</b>
<b>Free Electives</b>		<b>6.0</b>
<b>Total Credits</b>		<b>181.0-195.0</b>

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

\*\* ENTP SPECIAL TOPICS courses (ENTP T180, ENTP T280, ENTP T380, ENTP T480) may be substituted at the Close School discretion

\*\*\* Other courses may be substituted with departmental and advisor approval.

† May not be a Close School minor.

## 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 Coop Spring/Summer Cycle

#### First Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ENGL 101 or 111	3.0 CIVC 101	1.0 ACCT 120	4.0 VACATION	
ENTP 100	1.0 ENGL 102 or 112	3.0 COOP 101*	1.0	
ENTP 105	3.0 ENTP 205	3.0 ENGL 103 or 113	3.0	
ENTP 250	3.0 ENTP 215	3.0 ENTP 201	3.0	
MATH 101 or 121	4.0 MATH 102 or 122	4.0 ENTP 225	3.0	
UNIV 101C	1.0 PSY 101	3.0 ENTP 290	3.0	
	<b>15</b>	<b>17</b>	<b>17</b>	<b>0</b>

#### Second Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ECON 201	4.0 COM 181	3.0 COOP EXPERIENCE	COOP EXPERIENCE	
ENSS 120	3.0 ECON 202	4.0		
PBHL 101	3.0 ENTP 260	3.0		
PHIL 105	3.0 FIN 150	4.0		
Sustainability Course	3.0-4.0 Required Minor Course	3.0		
	<b>16-17</b>	<b>17</b>	<b>0</b>	<b>0</b>

#### Third Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ENTP 210	3.0 ENTP 270	3.0 COOP EXPERIENCE	COOP EXPERIENCE	

Humanities, Social Science, Communication or Fine Arts	6.0 PHIL 301	3.0		
Innovation Course	3.0 Culture, Diversity, and Global Perspectives	3.0		
Required Minor Course	3.0 Innovation Course	3.0-4.0		
Science or Technology Course	3.0-4.0 Required Minor Course	3.0		
	<b>18-19</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>
ENTP 445	3.0 SOC 101	3.0 COOP EXPERIENCE	COOP EXPERIENCE	
Innovation Course	3.0-4.0 Innovation Course	3.0-4.0		
Required Minor Course	3.0 Non-Major Writing Intensive Course	3.0		
Science or Technology Course	3.0-4.0 Required Minor Course	3.0		
Sustainability Course	3.0-4.0 Sustainability Course	3.0-4.0		
	<b>15-18</b>	<b>15-17</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>	
ENTP 375	3.0 Culture, Diversity, and Global Perspectives	3.0 Innovation Course	3.0-4.0	
Humanities, Social Science, Communication, or Fine Arts	3.0-4.0 Required Minor Course	3.0 Required Minor Course	3.0	
Required Minor Course	3.0 Sustainability Course	3.0-4.0 Sustainability Course	3.0-4.0	
Sustainability Course	3.0-4.0 Free Electives	3.0 Free Electives	3.0	
	<b>12-14</b>	<b>12-13</b>	<b>12-14</b>	
<b>Total Credits 181-194</b>				

\* 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 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 COOP Spring/Summer Cycle

<b>First Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
ENGL 101 or 111	3.0 CIVC 101	1.0 ACCT 120	4.0 VACATION	
ENTP 100	1.0 ENGL 102 or 112	3.0 COOP 101*	1.0	
ENTP 105	3.0 ENTP 205	3.0 ENGL 103 or 113	3.0	
ENTP 250	3.0 ENTP 215	3.0 ENTP 201	3.0	
MATH 101 or 121	4.0 MATH 102 or 122	4.0 ENTP 225	3.0	
UNIV C:101	1.0 PSY 101	3.0 ENTP 290	3.0	
	<b>15</b>	<b>17</b>	<b>17</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 201	4.0 COM 181	3.0 Innovation Course	3.0-4.0 SOC 101	3.0
ENSS 120	3.0 ECON 202	4.0 Non-major Writing Intensive Course	3.0 Humanities, Social Science, Communication, or Fine Arts	3.0-4.0
PBHL 101	3.0 ENTP 260	3.0 Required Minor Course	3.0 Innovation Course	3.0-4.0
PHIL 105	3.0 FIN 150	4.0 Science or Technology Course	3.0-4.0 Required Minor Course	3.0
Sustainability Course	3.0-4.0 Required Minor Course	3.0 Sustainability Course	3.0-4.0 Sustainability Course	3.0-4.0
	<b>16-17</b>	<b>17</b>	<b>15-18</b>	<b>15-18</b>
<b>Third Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
ENTP 210	3.0 ENTP 270	3.0 COOP EXPERIENCE	COOP EXPERIENCE	

ENTP 445	3.0 PHIL 301	3.0		
Humanities, Social Science, Communication, or Fine Arts	3.0 Culture, Diversity, and Global Perspectives	3.0		
Innovation Course	3.0 Innovation Course	3.0-4.0		
Required Minor Course	3.0 Required Minor Course	3.0		
Science or Technology Course	3.0-4.0			
	<b>18-19</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</b>	
ENTP 375	3.0 Culture, Diversity, and Global Perspectives	3.0 Innovation Course	3.0-4.0	
Humanities, Social Science, Communication, or Fine Arts	3.0-4.0 Required Minor Course	3.0 Required Minor Course	3.0	
Sustainability Course	3.0-4.0 Sustainability Course	3.0-4.0 Sustainability Course	3.0-4.0	
Required Minor Course	3.0 Free Electives	3.0 Free Electives	3.0	
	<b>12-14</b>	<b>12-13</b>	<b>12-14</b>	

**Total Credits 181-195**

\* 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.

## 4-YR No COOP

<b>First Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits Summer</b>	<b>Credits</b>
ENGL 101 or 111	3.0 CIVC 101	1.0 ACCT 120	4.0 VACATION	
ENTP 100	1.0 ENGL 102 or 112	3.0 ENGL 103 or 113	3.0	
ENTP 105	3.0 ENTP 205	3.0 ENTP 201	3.0	
ENTP 250	3.0 ENTP 215	3.0 ENTP 225	3.0	
MATH 101 or 121	4.0 MATH 102 or 122	4.0 ENTP 290	3.0	
UNIV C101	1.0 PSY 101	3.0		
	<b>15</b>	<b>17</b>	<b>16</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 201	4.0 COM 181	3.0 Innovation Course	3.0-4.0 VACATION	
ENSS 120	3.0 ECON 202	4.0 Non-major Writing Intensive Course	3.0	
PBHL 101	3.0 ENTP 260	3.0 Required Minor Course	3.0	
PHIL 105	3.0 FIN 150	4.0 Science or Technology Course	3.0-4.0	
Sustainability Course	3.0-4.0 Required Minor Course	3.0 Sustainability Course	3.0-4.0	
	<b>16-17</b>	<b>17</b>	<b>15-18</b>	<b>0</b>

<b>Third Year</b>				
<b>Fall</b>	<b>Credits Winter</b>	<b>Credits Spring</b>	<b>Credits</b>	
ENTP 210	3.0 ENTP 270	3.0 SOC 101	3.0	
ENTP 445	3.0 PHIL 301	3.0 Humanities, Social Science, Communication, or Fine Arts	3.0-4.0	
Humanities, Social Science, Communication, or Fine Arts	3.0 Culture, Diversity, and Global Perspectives	3.0 Innovation Course	3.0-4.0	
Innovation Course	3.0 Innovation Course	3.0-4.0 Sustainability Course	3.0-4.0	
Required Minor Course	3.0 Required Minor Course	3.0 Required Minor Course	3.0	
Science or Technology Course	3.0-4.0			
	<b>18-19</b>	<b>15-16</b>	<b>15-18</b>	

**Fourth Year**

Fall	Credits Winter	Credits Spring	Credits
ENTP 375	3.0 Culture, Diversity, and Global Perspectives	3.0 Innovation Course	3.0-4.0
Humanities, Social Science, Communication, or Fine Arts	3.0-4.0 Required Minor Course	3.0 Required Minor Course	3.0
Sustainability Course	3.0-4.0 Sustainability Course	3.0-4.0 Sustainability Course	3.0-4.0
Required Minor Course	3.0 Free Electives	4.0 Free Electives	3.0
	<b>12-14</b>	<b>13-14</b>	<b>12-14</b>

Total Credits 181-195

## Sustainability and Innovation Faculty

Donna De Carolis, PhD (*Temple University*) *Founding Dean, Silverman Family Professor of Entrepreneurial Leadership.*

Barrie Litzky, PhD (*Drexel University*). Associate Professor.

Larissa Milne, MBA (*Drexel University*). Adjunct Assistant Professor.

Ozlem Ogutveren-Gonul, PhD (*Gazi University, Ankara, Turkey*). Assistant Teaching Professor. Entrepreneurship education, Entrepreneurial failure, Entrepreneurial mindset, Ideation, Social capital, Person-job fit, Person-organization fit, Social entrepreneurship.

Scott Quitel, JD, MBA (*Temple University*). Associate Teaching Professor. Novel ecosystems; Ecological impacts of climate change, rising sea level, and saltwater intrusion; Water quality and aquatic ecosystem health; Organic, lightly structured education

Charles Sacco, MBA (*Drexel University*) *Associate Dean for Strategy and Innovation; Director of the Baiada Institute for Entrepreneurship.*

Damian Salas, MBA (*Drexel University*) *Associate Dean for Academic Partnerships.* Assistant Teaching Professor. Strategic Entrepreneurship; Entrepreneurial Growth; Human Capital Management

Zahed Subhan, PhD, JD/LLB (Law) (*University of Leeds (UK); London University*). Teaching Professor. Marketing, Entrepreneurship, Innovation Management

John Wilson, PhD (*Regent University*). Assistant Teaching Professor. Intrapreneurship, Corporate Entrepreneurship, Self-Leadership, Employee Empowerment, Corporate Social Responsibility, Leadership, Innovation

Kahlil Wyche, MS (*Drexel University*). Adjunct Instructor.

## Minor in Corporate Entrepreneurship

### About the Minor

The minor in Corporate Entrepreneurship is designed for students who are interested in careers that spark innovation within start-up companies or established organizations. Students who minor in Corporate Entrepreneurship will learn how to become change agents within companies, helping them to remain competitive using innovation as the driving force behind product or service development.

### Admission Requirements

Students of any major with more than 40.0 credits may declare a minor in Corporate Entrepreneurship.

### Program Requirements

ENTP 105	Entrepreneurial Thinking	3.0
ENTP 205	Ready, Set, Fail	3.0
ENTP 250	Ideation	3.0
ENTP 285	Organizational Development and Change for Corporate Entrepreneurs	3.0
ENTP 329	Entrepreneurship & New Technologies	3.0
ENTP 340	Managing Entrepreneurial Growth	3.0
ENTP 385	Innovation in Established Companies	3.0
ENTP 440	Launch It!: Early Stage	3.0
<b>Total Credits</b>		<b>24.0</b>



## Additional Information

For more information about the Corporate Entrepreneurship minor, please contact Justin Fithian at [jmf465@drexel.edu](mailto:jmf465@drexel.edu)

# Minor in Entrepreneurship and Innovation

## About the Minor

The minor in Entrepreneurship and Innovation offers you the opportunity to learn the skills and mindset of an entrepreneur regardless of your major. The minor is designed to enhance your current plan of study and empower you to succeed in any career aspiration. Through your coursework you will be challenged to think and act like an entrepreneur -- doing more than creating good ideas by learning what it takes to put those good ideas to *good use*.

## Program Requirements

### Required Courses

ENTP 105	Entrepreneurial Thinking	3.0
ENTP 205	Ready, Set, Fail	3.0
ENTP 210 [WI]	Leading Start-Ups	3.0
ENTP 215	Building Entrepreneurial Teams	3.0
ENTP 250	Ideation	3.0
ENTP 325	Early Stage Venture Funding	3.0
ENTP 440	Launch It!: Early Stage	3.0
MKTG 201	Introduction to Marketing Management	4.0

### Total Credits

25.0

## 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.

## Additional Information

For more information about the minor in Entrepreneurship and Innovation, please contact Justin Fithian at [jmf465@drexel.edu](mailto:jmf465@drexel.edu).

# Minor in Social Entrepreneurship

## About the Minor

The Social Entrepreneurship minor is designed for students interested in learning how to create and sustain social value within companies or through the pursuit of any social enterprise. Students will learn to develop, fund, and implement innovative solutions to social, cultural, or environmental issues.

## Program Requirements

ENTP 105	Entrepreneurial Thinking	3.0
ENTP 205	Ready, Set, Fail	3.0
ENTP 250	Ideation	3.0
ENTP 260 or ENTP 275	Curiosity, Ecology, Empathy & Ethic Diversity Entrepreneurship	3.0
ENTP 270	Social Entrepreneurship	3.0
ENTP 290 or ENTP 390	An Entrepreneur's Introduction to Land: Its Essence, Ethics, and Opportunity Energy Entrepreneurship	3.0
ENTP 375	3BL - Triple Bottom Line	3.0
ENTP 440	Launch It!: Early Stage	3.0

### Total Credits

24.0

## Additional Information

For more information about the Social Entrepreneurship minor, please contact Justin Fithian at [jmf465@drexel.edu](mailto:jmf465@drexel.edu).

# Certificate in Entrepreneurship

## About the Program

*Only available to currently enrolled Drexel students.*

The certificate in Entrepreneurship is for students who would like to expand the scope of their undergraduate Drexel degree by also developing an entrepreneurial mindset and skillset. This certificate will help you learn to evaluate and pursue opportunities and, most importantly, realize your passions by either starting a company, being innovative in an organization, or navigating your career. By building your entrepreneurial skills and helping you assemble the tools that you need to succeed, the certificate in Entrepreneurship equips you to achieve your life and career aspirations in an ever-changing employment landscape.

Open to Drexel students from all schools and colleges in all majors (with the exception of Close School majors) who have completed 15.0 credits.

## Program Requirements

### Required courses

ENTP 105	Entrepreneurial Thinking	3.0
ENTP 205	Ready, Set, Fail	3.0
ENTP 440	Launch It!: Early Stage *	3.0
Choose two courses from the following:		6.0
ENTP 215	Building Entrepreneurial Teams	
ENTP 250	Ideation	
ENTP 270	Social Entrepreneurship	
ENTP 285	Organizational Development and Change for Corporate Entrepreneurs	

### Total Credits

**15.0**

\* Taken as a final course in certificate program after completion of all other course requirements.

## Additional Information

For more information about the certificate in Entrepreneurship, please contact Justin Fithian at [jmf465@drexel.edu](mailto:jmf465@drexel.edu).

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