

BUSINESS, ENERGY, ENVIRONMENT, AND SUSTAINABILITY, BS

The Undergraduate Concentration in Business, Energy, Environment, & Sustainability is designed to provide in-depth foundations for those interested in the complex relationships between business and the natural environment, management of environmental risks, and the business and economics of energy. As global energy markets grow and change rapidly and environmental challenges rise, there is a strong need for a new generation of expert business leaders who understand the rapidly evolving trends in business models, technology, regulation, and financing. Students choosing this concentration are therefore ideally suited for the ever-expanding set of careers in energy companies, clean-tech investing, energy banking, consulting, the non-profit world, and the government. Students will gain insight into these challenges through an inter-disciplinary approach. This concentration, which is housed in the Legal Studies and Business Ethics Department, includes relevant course offerings by departments including Business Economics and Public Policy, Finance, Legal Studies and Business Ethics, Management, Marketing, and Operations Information and Decisions. Up to one credit unit of coursework on business, energy, and the environment can be credited toward this concentration from the School of Arts and Sciences, the School of Engineering and Applied Science, or the School of Design, among other programs, as specified below. Because this concentration is housed in the Legal Studies and Business Ethics Department, courses offered by Legal Studies and Business Ethics cannot be used toward the Business Breadth requirement.

For more information: <https://riskcenter.wharton.upenn.edu/undergrad-enviro-concentration/>

Business, Energy, Environment, and Sustainability Concentration

Code	Title	Course Units
Select four of the following courses		4
BEPP/OIDD 2630	Environmental & Energy Economics and Policy	
FNCE 2540	ESG and Impact Investing	
LGST 2150	Environmental Management: Law & Policy	
MGMT 2090	The Political Environment of the Multinational Firm	
MKTG 2660	Marketing for Social Impact	
OIDD/BEPP 2610	Risk Analysis and Environmental Management	
OIDD 5250	Thinking with Models: Business Analytics for Energy and Sustainability	

The Undergraduate Concentration in Business, Energy, Environment, & Business requires four course units. At least three course units must be from the list of Wharton courses above. Up to one course unit may be from the following list of pre-approved non-Wharton courses (with prior approval of the Director of the Concentration)

CBE 5050	Carbon Capture	
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EAS 3010/5050	Climate Policy and Technology	
EAS 3060/5060	Electricity and Systems Markets	
EAS 4020/5020	Renewable Energy and Its Impacts: Technology, Environment, Economics, Sustainability.	
ENVS 6300	The Future of water	
ENVS 6550	Life Cycle Assessment	
MEAM 5020	Energy Engineering in Power Plants and Transportation Systems	
LAW 9190	Energy Law & Climate Change	

If a student believes that a course is missing from this list, they may petition the Director of the Concentration to add the course to the list prior to the start of the semester in which the course will be taken, or at the latest, within the first two weeks of the semester. Requests after a course has been completed will not be granted. The request should include a copy of the syllabus for the course and a brief statement as to why the course should be added. Courses that are likely to be approved are non-Wharton courses in which the primary focus is on topics relating to energy, environment, and sustainability, such as those listed here: <https://kleinmanenergy.upenn.edu/energy-courses> (<https://kleinmanenergy.upenn.edu/energy-courses/>).

Other Wharton Requirements 33

Total Course Units 37

Other Wharton Requirements

Code	Title	Course Units
First-Year Foundations		
BEPP 1000	Introductory Economics for Business Students ¹	1
MATH 1400	Calculus, Part I	1
	or MATH 1100 Calculus for Wharton Students	
Writing		
	Critical Writing Seminar	1
Business		
	<i>Business Breadth (non-concentration courses)</i>	3
Leadership Journey		
WH 1010	Business and You	0.5
WH 2010	Business Communication for Impact	0.5
MGMT 3010	Teamwork and Interpersonal Influence	0.5
	Capstone Course/Project	0.5
Fundamentals		
ACCT 1010	Accounting and Financial Reporting	1
ACCT 1020	Strategic Cost Analysis	1
BEPP 2500	Managerial Economics	1
FNCE 1000	Corporate Finance	1
FNCE 1010	Monetary Economics and the Global Economy	1
LGST 1000	Ethics and Social Responsibility	1
	or LGST 1010 Law and Social Values	
MKTG 1010	Introduction to Marketing	1

OIDD 1010	An Introduction to Operations, Information and Decisions	1
STAT 1010	Introductory Business Statistics	1
STAT 1020	Introductory Business Statistics	1
<i>Global Economy, Business & Society</i>		
One course unit required		1
<i>Technology, Innovation & Analytics</i>		
One course unit required		1
Liberal Arts & Sciences		
<i>Foreign Language</i>		1
Second semester-level course or equivalent required		1
<i>Humanities</i>		
At least one course unit required		1
<i>Natural Science, Math & Engineering</i>		
At least one course unit required		1
<i>Social Science</i>		
At least one course unit required		1
<i>Cross-Cultural Perspectives</i>		
Three course units required ²		3
Unrestricted Electives		
Five course units required		5
Total Course Units		33

¹ For students who take ECON 0100 Introduction to Micro Economics and ECON 0200 Introductory Economics: Macro in place of BEPP 1000 Introductory Economics for Business Students of these courses can be slotted for BEPP 1000 on the worksheet. The second course may be used to fulfill a General Education Distribution or Unrestricted Elective requirement.

² Two can double-count as Humanities; Natural Science, Math & Engineering; Social Science; or Flex Gen Ed.

The degree and major requirements displayed are intended as a guide for students entering in the Fall of 2023 and later. Students should consult with their academic program regarding final certifications and requirements for graduation.
