

# Business, Entrepreneurship and Organizations

Business, Entrepreneurship and Organizations (BEO) is a multidisciplinary concentration that provides a rigorous and synergistic program in the study of commercial activity grounded in economics, sociology and engineering. BEO focuses on the formation, growth, and organization of new ventures, innovation in commercial applications, financial markets and the marketplace, and management and organizational theory. Concentrators seek to understand the basic principles, approaches and vocabulary relevant to the study of entrepreneurship from the disciplines of economics, organizational sociology and engineering. Building on this multidisciplinary base, students develop specialized expertise in one of the three disciplinary approaches, with special emphasis on critical reasoning and quantitative research methods. In senior year capstone projects, students apply and integrate multi-disciplinary learning by working in groups on real world projects, including the creation of new ventures. BEO students interested in the theory and practice of addressing social challenges might consider the Engaged Scholars Program (<https://www.brown.edu/academics/business-entrepreneurship-organizations/beo-engaged-scholar-program-esp/>).

**The Business, Entrepreneurship, and Organizations concentration is open only to students admitted in the fall of 2019 or prior.**

The three tracks of the concentration are as follows:

1. Business Economics
2. Organizational Studies
3. Entrepreneurship and Technology Management

Upon completion of all concentration requirements, students receive the Bachelor of Arts (A.B.) degree in Business, Entrepreneurship and Organizations.

## The Curriculum

### Business Economics Track

**Foundation Requirements (foundation requirements must be completed before taking the capstone in fall of senior year)**

ECON 0110	Principles of Economics	1
ECON 1110	Intermediate Microeconomics	1

Any two of the following three courses: 2

SOC 0300	Organizations and Society	
SOC 1311	Micro-Organizational Theory: Social Behavior in Organizations	
SOC 1315	Macro-Organizational Theory: Organizations in Social Context	

ENGN 0020	Transforming Society-Technology and Choices for the Future	1
or ENGN 0030	Introduction to Engineering	

ENGN 1010	The Entrepreneurial Process	1
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**Math and Statistics Requirements**

MATH 0100	Single Variable Calculus, Part II	1
or MATH 0170	Single Variable Calculus, Part II (Accelerated)	
or ECON 0170	Essential Mathematics for Economics	

Or AP BC Calculus score of 4 or higher  
Or IB High-level Math minimum score of 5 (IB Standard-level not accepted)

ECON 1620	Introduction to Econometrics	1
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**Track Requirements**

ECON 0710	Financial Accounting	1
ECON 1210	Intermediate Macroeconomics	1

ECON 1629	Applied Research Methods for Economists	1
ECON 1710	Investments I	1
ECON 1720	Corporate Finance	1
One 1000-level economics course.		1
Capstone: one-semester required (must be taken fall of senior year)		1
BEO 1930C	BEO Capstone I: Business Economics Track	

**Total Credits** 15

### Organizational Studies Track

**Foundation Requirements (foundation requirements must be completed before taking the capstone in fall of senior year)**

ECON 0110	Principles of Economics	1
ECON 1110	Intermediate Microeconomics	1

ENGN 0020	Transforming Society-Technology and Choices for the Future	1
or ENGN 0030	Introduction to Engineering	

ENGN 1010	The Entrepreneurial Process	1
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Any two of the following three courses: 2

SOC 0300	Organizations and Society	
SOC 1311	Micro-Organizational Theory: Social Behavior in Organizations	
SOC 1315	Macro-Organizational Theory: Organizations in Social Context	

SOC 1315	Macro-Organizational Theory: Organizations in Social Context	
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**Math and Statistics Requirements**

MATH 0100	Single Variable Calculus, Part II	1
or MATH 0170	Single Variable Calculus, Part II (Accelerated)	
or ECON 0170	Essential Mathematics for Economics	

Or AP BC Calculus with a score of 4 or higher

Or IB High-level Math with a minimum score of 5 (IB Standard-level is not accepted)

SOC 1100	Introductory Statistics for Social Research	1
or APMA 0650	Essential Statistics	
or ECON 1620	Introduction to Econometrics	

**Track Requirements**

One Introduction to Research Methods course (selected from the following): 1

SOC 1020	Methods of Social Research	
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Two Organization-Relevant Electives (OREs) Not all of the courses listed here will be offered in any given semester, and others are sometimes added. The following are approved examples-please consult with [Courses@Brown/Brown.edu](mailto:Courses@Brown/Brown.edu)/BEO website for current offerings: 2

ORE courses allow students to deepen and/or broaden their exposure to topics and settings that are either strongly determined by, or strongly determining of, organizational activities and outcomes. An ORE course will have a clear linkage to commerce, organizations and/or entrepreneurship, and it will incorporate organizational phenomena and perspectives in a significant portion of its coursework.

Any from the Advanced Research Methods or Advanced Organization-Studies lists; or

AMST 1610A	American Advertising: History and Consequences	
CLPS 1250	Human Factors	
CSCI 1900	csciStartup	
ECON 1420	Industrial Organization	
ECON 1450	Economic Organizations and Economic Systems	
ECON 1760	Financial Institutions	

EDUC 0830	Sociology of Education	
EDUC 1225	The American Teacher: How Policy Shapes the Profession	
EDUC 1600	Education, the Economy and School Reform	
ENGN 1931T	Entrepreneurship Practicum: Starting, Running, and Scaling Ventures	
IAPA 1803E	Social Entrepreneurship	
POLS 1150	Prosperity: The Ethics and Economics of Wealth Creation	
SOC 1114	Law and Society	
UNIV 1207	Eco-Entrepreneurship	
URBN 1943	The Real Estate Development Process: An Entrepreneurial Lens	
One Advanced Organization Studies course (AOS). Not all of the courses listed here will be offered in any given semester, and others are sometimes added. The following are approved EXAMPLES-please consult with the Courses@Brown and the Brown.edu/BEO website for current offerings:		1
AOS courses directly employ and extend the theories and perspectives introduced by the foundational Organizational Studies courses. They are either taught by core Organization Studies faculty or vetted on a regular basis by the Organization Studies track advisor, to ensure that they thoroughly incorporate Organization Studies perspectives and focus primarily on organizational processes and phenomena.		
CLPS 1730	Psychology in Business and Economics	
IAPA 1804E	Health Policy Challenges	
IAPA 1700E	Nonprofit Organizations	
SOC 1060	Leadership in Organizations	
SOC 1128	Migrants, Refugees and the Mediterranean	
SOC 1870A	Investing in Social Change	
SOC 1871O	Law, Innovation and Entrepreneurship	
SOC 1872H	Sociology of FIRE: Finance, Insurance, + Real Estate	
One Advanced Research Methods course (ARM). Not all of the courses listed here will be offered in any given semester, and others are sometimes added. The following are approved examples-please consult with Courses@Brown and the brown.edu/BEO website for current offerings:		1
ARM courses allow students to deepen and/or broaden their expertise in one or more methods of empirical inquiry.		
ANTH 1940	Ethnographic Research Methods	
ECON 1630	Mathematical Econometrics I	
EDUC 1230	Applied Statistics for Ed Research and Policy Analysis	
SOC 1117	Focus Groups for Market and Social Research	
SOC 1118	Context Research for Innovation	
SOC 1260	Market Research in Public and Private Sectors	
SOC 1340	Principles and Methods of Geographic Information Systems	
Capstone: two-semester required <sup>1</sup>		2
BEO 1930A & BEO 1940A	BEO Capstone I: Organizational Studies Track and BEO Capstone II: Organizational Studies Track	
<b>Total Credits</b>		<b>15</b>

<sup>1</sup> If a student in the Organizational Studies track completes only the fall semester of the capstone course (BEO 1930A), she/he must take one additional ARM or AOS course.

## Entrepreneurship and Technology Management Track

**Foundation Requirements (foundation requirements must be completed before taking the capstone in fall of senior year)**

ECON 0110	Principles of Economics	1
ECON 1110	Intermediate Microeconomics	1
Any two of the following three courses:		2
SOC 0300	Organizations and Society	
SOC 1311	Micro-Organizational Theory: Social Behavior in Organizations	
SOC 1315	Macro-Organizational Theory: Organizations in Social Context	
ENGN 0030	Introduction to Engineering	1
ENGN 1010	The Entrepreneurial Process	1
<b>Math and Statistics Requirements</b>		
MATH 0200	Multivariable Calculus (Physics/Engineering)	1
or APMA 0330	Methods of Applied Mathematics I	
SOC 1100	Introductory Statistics for Social Research	1
or APMA 0650	Essential Statistics	
or ECON 1620	Introduction to Econometrics	
<b>Track Requirements</b>		
One gateway course in Engineering or another physical science <sup>1</sup>		1
Five courses that develop expertise in a technical subfield <sup>1,2</sup>		5
Capstone: two-semester required (must be taken in fall and spring of senior year)		2
BEO 1930B	BEO Capstone I: Entrepreneurship and Technology Management Track	
BEO 1940B	BEO Capstone II: Entrepreneurship and Technology Management Track	
<b>Total Credits</b>		<b>16</b>

<sup>1</sup> For specific gateway and subfield courses, refer to the BEO website.

<sup>2</sup> Technical subfields include Biotechnology/Biomaterials, Information Technology and Computer Engineering, Energy and the Environment, and others.