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: Innovation in Practice  1

Math and Statistics Requirements

MATH 0100  Introductory Calculus, Part II  1
or MATH 0170  Advanced Placement Calculus  1
or ECON 0170  Essential Mathematics for Economics  1
Or AP BC Calculus with a score of 4 or higher  1
Or IB High-level Math with a minumum score of 5 (IB Standard-level is not accepted)  1
SOC 1100  Introductory Statistics for Social Research  1
or APMA 0650  Essential Statistics  1
or ECON 1620  Introduction to Econometrics  1

Track Requirements

One Introduction to Research Methods course (selected from the following):  1
SOC 1020  Methods of Social Research  1

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/BEO website for current offerings:
ORE courses allow students to deepen and/or broaden their exposure to topics and settings that are either strongly determined by, or strongly determined 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
CLPS 1250  Human Factors  1
CSCI 1900  csciStartup  1
ECON 1760  Financial Institutions  1
EDUC 1020  The History of American Education  1
EDUC 1040  Sociology of Education  1
EDUC 1060  Politics and Public Education  1

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ECON 1210</td>
<td>Intermediate Macroeconomics</td>
<td>1</td>
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<tr>
<td>ECON 1629</td>
<td>Applied Research Methods for Economists</td>
<td>1</td>
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<tr>
<td>ECON 1710</td>
<td>Investments I</td>
<td>1</td>
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<tr>
<td>ECON 1720</td>
<td>Corporate Finance</td>
<td>1</td>
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<td>One 1000-level economics course.</td>
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<td>Capstone: one-semester required (must be taken fall of senior year)</td>
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<tr>
<td>BEO 1930C</td>
<td>BEO Capstone I: Business Economics Track</td>
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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: Innovation in Practice  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

Math and Statistics Requirements

MATH 0100  Introductory Calculus, Part II  1
or MATH 0170  Advanced Placement Calculus  1
or ECON 0170  Essential Mathematics for Economics  1
Or AP BC Calculus with a score of 4 or higher  1
Or IB High-level Math with a minimum score of 5 (IB Standard-level is not accepted)  1
SOC 1100  Introductory Statistics for Social Research  1
or APMA 0650  Essential Statistics  1
or ECON 1620  Introduction to Econometrics  1

Track Requirements

One Introduction to Research Methods course (selected from the following):  1
SOC 1020  Methods of Social Research  1
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/BEO website for current offerings:
ORE courses allow students to deepen and/or broaden their exposure to topics and settings that are either strongly determined by, or strongly determined 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
CLPS 1250  Human Factors  1
CSCI 1900  csciStartup  1
ECON 1760  Financial Institutions  1
EDUC 1020  The History of American Education  1
EDUC 1040  Sociology of Education  1
EDUC 1060  Politics and Public Education  1
EDUC 1150  Education, the Economy and School Reform
EDUC 1650  Policy Implementation in Education
EDUC 1730  American Higher Education in Historical Context
IAPA 1700B  Investigating Modes of Social Change
IAPA 1803E  Social Entrepreneurship
PHP 2400  The U.S. Health Care System: Case Studies in Financing, Delivery, Regulation and Public Health
POLS 1150  Prosperity: The Ethics and Economics of Wealth Creation
POLS 1240  Politics, Markets and States in Developing Countries
POLS 1770  Education, Inequality, and American Democracy
SOC 1114  Law and Society
SOC 1115  The Enlightened Entrepreneur: Changemakers, Inspired Protagonists and Unreasonable People
SOC 1871C  Sociology of the Legal Profession

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:
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
MPA 2020  Public Budgeting and Management
SOC 1060  Leadership in Organizations
SOC 1128  Migrants, Refugees and the Mediterranean
SOC 1870A  Investing in Social Change
SOC 1870L  The Economic Foundations of Everyday Life
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:
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 1100  Introduction to Qualitative Research Methods
MPA 2035  Statistics II for Public Policy Analysis
IAPA 1700A  Program Evaluation
MPA 2040  Statistics for Program Evaluation
SOC 1117  Focus Groups for Market and Social Research
SOC 1118  Context Research for Innovation
SOC 1120  Market and Social Surveys

SOC 1260  Market Research in Public and Private Sectors
SOC 1340  Principles and Methods of Geographic Information Systems

Capstone: two-semesters required

BEO 1930A & BEO 1940A  BEO Capstone I: Organizational Studies Track
and BEO Capstone II: Organizational Studies Track

Total Credits: 15

1 If a student in the Organizational Studies track completes only the fall semester of the capstone course (BEO 1930A), she/he must take an 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:
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: Innovation in Practice 1

Math and Statistics Requirements

MATH 0200  Intermediate Calculus (Physics/Engineering) 1
or APMA 0330  Methods of Applied Mathematics I, II
SOC 1100  Introductory Statistics for Social Research
or APMA 0650  Essential Statistics
or ECON 1620  Introduction to Econometrics

Track Requirements

One gateway course in Engineering or another physical science 1

Five courses that develop expertise in a technical subfield 1, 2
Capstone: two-semesters required (must be taken in fall and spring of senior year)

BEO 1930B  BEO Capstone I: Entrepreneurship and Technology Management Track
BEO 1940B  BEO Capstone II: Entrepreneurship and Technology Management Track

Total Credits: 16

1 For specific gateway and subfield courses, refer to the BEO website.
2 Technical subfields include Biotechnology/Biomaterials, Information Technology and Computer Engineering, Energy and the Environment, and others.