

## SAMPLE Four Year Plan

### BS in Integrated Business and Engineering

Catalog Year 2026-2027

*IBE is intentionally designed as a small, cohort-based program, allowing students to build strong connections with peers and faculty. As an IBE student, you will move through key parts of the curriculum with the same group of students, creating a close-knit community that supports collaboration, learning, and belonging. Deviations to this plan must be approved by the IBE academic advisor. IBE students will choose from two areas of emphasis: Tech Entrepreneurship and Tech-Driven Sustainable Business.*

#### First Year

Fall	credits
BCOR 1015: World of Business	3
ECON 2010: Microeconomics	4
APPM 1350: Calculus 1 for Engineers	4
CSCI 1200: Introduction to Computational Thinking	3
COEN 1500: CEAS First Year Seminar	1
<b>Total:</b>	<b>15</b>

Spring	credits
BCOR 1025: Statistical Analysis in Business	3
ECON 2020: Macroeconomics	4
BCOR 1030: Communication Strategy	3
IBE Engineering Math	4
<b>Total:</b>	<b>14</b>

#### Second Year

Fall	credits
BCOR 2201: MKTG (1.5) & BCOR 2202: MGMT (1.5)	3
BCOR 2203: ACCT1 (1.5) & BCOR 2204: FNCE (1.5)	3
BCOR 2205: MIS (1.5) & BCOR 2206: Supply Chain (1.5)	3
PHYS 1110: General Physics 1	4
GEEN 1400: Engineering Projects	3
<b>Total:</b>	<b>16</b>

Spring	credits
BCOR 2301: Bus.Law (1.5) & BCOR 2302: Ethics/Soc.Resp. (1.5)	3
BCOR 2303: ACCT2 (1.5) & BCOR 2304: Strat. & Entre. (1.5)	3
BASE 2104: BCOR Applied Semester Experience	6
GEEN 1017: Engineering Drawing	3
<b>Total:</b>	<b>15</b>

#### Third Year

Fall	credits
Area of Emphasis Class	3
Area of Emphasis Class	3
GEEN 2400: Engineering Projects for the Community	3
GEEN 2851: Statics for Engineers	3
Gen Ed: Written Communication lower division	3
<b>Total:</b>	<b>15</b>

Spring	credits
Area of Emphasis Class	3
GEEN 3400: Invention and Innovation	3
GEEN 3024: Materials Science for Engineers	3
GEEN 3852: Thermodynamics for Engineers	3
Choose: General Education Class	3
<b>Total:</b>	<b>15</b>

#### Fourth Year

Fall	credits
Area of Emphasis Class	3
IBE Engineering Capstone	3
Engineering Tech Elective	3
Choose: General Education Class	3
Choose: General Education Class	3
<b>Total:</b>	<b>15</b>

Spring	credits
Area of Emphasis Class	3
IBE Business Capstone	3
Engineering Tech Elective	3
Elective	3
Choose: General Education Class	3
<b>total:</b>	<b>15</b>

## IBE Areas of Emphasis

### Tech Entrepreneurship

#### Required

**ESBM 3700:** Entrepreneurial Environments

**ESBM 4570:** Entrepreneurial Finance

**ESBM 4830:** New Venture Creation

Integrated Sustainability & Entrepreneurship Capstone

#### Electives (choose 2)

**MBAX 6180:** New Venture Launch (instructor permission required)

**MBAX 6130:** Sustainable Venturing (instructor permission required)

**MGMT 3800:** Consulting Skills

**MGMT 4160:** Managing Growth: High Growth Ventures

**MGMT 4200:** Competitive Strategy

**MGMT 4850:** Senior Seminar in Management

**ORGN 3030:** Leadership Skills

**ORGN 4020:** Hiring and Retaining Critical Human Resources

**ORGN 4040:** Individual, Team, and Organization Development

**INBU 3500:** Global Intensive: International Strategy and Entrepreneurship

Any Sustainability courses from the IBE Sustainability Specialization

### Tech-Driven Sustainable Business

#### Required

**CVEN/EVEN 2909** Introduction to Global Sustainability

**CESR 4130** Sustainable Operations

Integrated Sustainability & Entrepreneurship Capstone

#### Electives (choose 3)

**FNCE 2280:** Investing in Sustainability

**CESR/ORGN 3040:** Fundamentals of Ethical Leadership

**CESR 3050:** Sustainable Space Governance

**ENLP/CESR 3060:** Our Sustainable Future

**BUSO 3100:** The Business of Nonprofits

**CESR 4005:** Business Solutions for the Developing World

**ACCT 4828:** ESG Reporting

**ESBM 4830:** New Venture Creation