

# SUSTAINABILITY SCIENCE

The practice of sustainability isn't good just for the environment — it is an important part of strategic business planning too. Companies are increasingly innovating to conserve energy, water, and raw materials, incorporating renewable energy technologies, reducing and recycling wastes, optimizing supply chains, and enhancing resource efficiencies in manufacturing and all areas of business operations. These practices all add up to greater profitability while reducing their carbon footprint and creating a healthier environment.

The Bentley Sustainability Science major gives you a foundation in the science of sustainability, combined with an understanding of business principles and practices at organizations that are looking to incorporate this important business function into their operations. The curriculum ensures that you will not only understand Earth's environmental systems, but also how they relate to business and societal activity — an approach that stands out among primarily science-based programs.

Through this major, you will gain real-world skills through a required field experience in environmental science, as well as a capstone project or internship.

## HANDS-ON LEARNING

You can choose to further your classroom knowledge through our hands-on learning programs: corporate partnerships, internships, service-learning and study abroad.

By participating in these opportunities, you will gain valuable real-world experience, learn about diverse people and perspectives, and gain new skills for living and working in a global community.

## CAREERS

Our Sustainability Science major is excellent preparation if you are interested in a career path that requires you to consider environmental, economic and societal sustainability in corporate decision-making. You will be particularly qualified to work in planning and leadership roles in which you will not only help incorporate green business practices — such as reducing energy and natural resource consumption — but also identify ways that corporate sustainability will improve efficiency and the bottom line. Specific positions available to you can include:

- Business development manager
- Corporate sustainability specialist
- Energy data analyst
- Environmental consultant
- Materials manager
- Project manager

## REQUIRED AND ELECTIVE COURSES

### MAJOR REQUIREMENTS

Environmental Chemistry  
Green Biology: Ecological and Botanical Connections, Environmental Science and Sustainability  
OR  
Principles of Geology  
Science of Sustainability  
Science in Environmental Policy  
Three Sustainability electives  
Capstone experience (research internship and field experience)

### ONE ELECTIVE MAY BE SELECTED FROM THE FOLLOWING:

Environmental Psychology  
Environmental Law  
Environmental Ethics  
Globalization  
The Developing World

### SUSTAINABILITY SCIENCES ELECTIVES (PARTIAL LIST)

Ecology: Principles and Applications  
Global Health Challenges  
Water Quality  
Water and the Environment  
Global Climate Change  
The Atmosphere  
Energy Alternatives  
Mathematical Modeling in Environmental Management  
Environmental Economics

Additional requirements apply for degree completion

## FOR MORE INFORMATION

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**BENTLEY**  
UNIVERSITY

Most Bentley students pursuing a Bachelor of Arts degree take the following courses:

### GENERAL EDUCATION REQUIREMENTS

Information Technology  
Expository Writing I  
Expository Writing II  
Mathematical Sciences I  
Mathematical Sciences II  
Government  
Problems of Philosophy  
Principles of Microeconomics  
Principles of Macroeconomics  
First-Year Seminar (one credit)

For each of the following requirements, you can choose an applicable course from a wide variety of offerings:

Literature/Cinema  
Natural Sciences  
Math or Natural Sciences elective  
History  
Behavioral Sciences  
Humanities/Social Science elective

### BUSINESS STUDIES MINOR

Legal and Ethical Environment of Business  
Tools and Concepts  
in Accounting and Finance  
Practice and Applications  
in Accounting and Finance  
Business Statistics  
Marketing-Operations Fundamentals  
OR  
Human Behavior and Organizations

### MODERN LANGUAGE AND/OR ARTS AND SCIENCES ELECTIVES

Choose seven courses

### UNRESTRICTED ELECTIVES

Choose five courses

# TAKE IT TO THE NEXT LEVEL.

After you've selected a major, what else can you do to make your education work harder? Customize your degree with an optional second major, choose a minor or get a head start on graduate study.

**BUSINESS STUDIES MAJOR** The Business Studies major (BSM) is a new, optional second major designed for students pursuing an arts and sciences degree at Bentley. The BSM has been designed to provide you with additional options for your Bentley education, allowing you to take advantage of an arts and sciences education within the context of a business university — a unique advantage that can help you stand out to future employers.

If you are pursuing a Sustainability Science degree, you must complete either the BSM or a Business Studies minor.

**MINORS** You can further specialize your studies through one of our minors.

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| ■ Accountancy                                    | ■ International Economics            |
| ■ Actuarial Sciences                             | ■ Law                                |
| ■ Business Economics                             | ■ Leadership                         |
| ■ Computer Information Systems                   | ■ Management                         |
| ■ Data Technologies                              | ■ Marketing                          |
| ■ English and Media Studies                      | ■ Mathematical Sciences              |
| ■ Entrepreneurial Studies                        | ■ Modern Languages                   |
| ■ Finance  | ■ Nonprofit Organizations            |
| ■ Gender Studies                                 | ■ Philosophy                         |
| ■ Global Management                              | ■ Politics                           |
| ■ History  | ■ Psychology                         |
| ■ Human Resources Management                     | ■ Public Policy                      |
| ■ Information and Process Management             | ■ Sociology                          |
| ■ Information Design and Corporate Communication | ■ Sports Business Management         |
| ■ International Affairs                          | ■ Supply Chain/Operations Management |

**FALCON FAST-TRACK PROGRAM** The Falcon Fast-Track program is designed for motivated undergraduate students with high academic standing in ANY undergraduate major. Depending on the program of study, master's degree requirements may be completed with one year of additional full-time academic work. Students enrolled in the Falcon Fast-Track Program have the opportunity to pursue one of nine master's programs.

For more information, visit [bentley.edu/fast-track](http://bentley.edu/fast-track).