

# SUSTAINABILITY SCIENCE MAJOR (B.A.)

The practice of sustainability isn't just good for the environment – it's also an important part of business. Whether it's through recycling, alternative energy, environmentally friendly material science, or other initiatives, organizations and governments are all working hard to become more green in their business operations.

The Sustainability Science Major gives students 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 students will understand not only earth's environmental systems, but also how they relate to business and societal activity – an approach that stands out among primarily science-based programs. The major is excellent preparation for students interested in a career path that requires them to consider environmental, economic, and societal sustainability in corporate decision-making.

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

For further information about degree requirement policies and guidelines, see the Degree Requirements ([catalog.bentley.edu/undergraduate/degree-requirements/](http://catalog.bentley.edu/undergraduate/degree-requirements/)) page.

## Major Requirements

Course	Title	Credits
<b>Required Courses</b>		
NAS 140	Energy and The Environment	4
or NAS 145	Principles of Geology	
or NAS 160	Environmental Chemistry	
NAS 150	Environmental Science and Sustainability	4
NAS 345	Science of Sustainability	3
NAS 348	Global Climate Change	3
Select two or three of the following:		6 to 9
EC 346	Environmental Economics	
NAS 318	Global Health Challenges	
NAS 336	Water and the Environment	
NAS 338	Water Quality	
NAS 342	Ecology: Principles and Applications	
NAS 348	Global Climate Change	
NAS 344	Energy Alternatives	
NAS 350	Industrial Ecology	
No more than one of the three electives can come from the following list:		0 to 3
GLS 101	Globalization	
GLS 243	The Developing World	
LA 102	Environmental Law	
PH 138	Environmental Ethics	
PSY 350	Environmental Psychology	
Field Experience - Select one:		3
NAS 356	Coastal Geology of Cape Cod	

NAS 336	Water and the Environment	
NAS 358	Coastal Biology of Cape Cod	
Senior Capstone Experience		3
NAS 405	Research in Natural and Applied Sciences	
or NAS 420	Internship in Natural and Applied Sciences	
<b>Total Credits</b>		<b>29</b>

## General Degree Requirements Foundations for Success (15 Credits)

Course	Title	Credits
FDS 100	Falcon Discovery Seminar	3
<b>Communications and Writing</b>		
Select one from:		
EMS 101	Critical Reading and Writing	3
or EMS 101L	Critical Reading and Writing with Lab	
or EMS 102	Critical Reading and Writing for ESOL	
or EMS 102L	Critical Reading and Writing for ESOL with Lab	
And one from:		
EMS 104	Multimodal Communication	3
or EMS 105	Multimodal Communication for ESOL	
<b>Information Technology</b>		
CS 100	Solving Business Problems with Information Technology	3

### Mathematical Sciences

Select one from:		
MA 105	Mathematical Foundations for Business	3
or MA 105L	Mathematical Foundations for Business with Lab	
or MA 107	Applied Calculus for Business	
or MA 107L	Applied Calculus for Business with Lab	
or MA 131	Calculus I	
or MA 131L	Calculus I with Lab	
<b>Total Credits</b>		<b>15</b>

## Context and Perspectives (18 Credits)

Course	Title	Credits
Students must take six courses, one in each category of Context and Perspectives:		
Culture, Change, and Behavior ( <a href="http://catalog.bentley.edu/undergraduate/degree-requirements/context-and-perspectives/#culturechangeandbehavior">catalog.bentley.edu/undergraduate/degree-requirements/context-and-perspectives/#culturechangeandbehavior</a> )		
Globalization ( <a href="http://catalog.bentley.edu/undergraduate/degree-requirements/context-and-perspectives/#globalization">catalog.bentley.edu/undergraduate/degree-requirements/context-and-perspectives/#globalization</a> )		
Institutions and Power ( <a href="http://catalog.bentley.edu/undergraduate/degree-requirements/context-and-perspectives/#institutionsandpower">catalog.bentley.edu/undergraduate/degree-requirements/context-and-perspectives/#institutionsandpower</a> )		
Race, Gender, and Inequality ( <a href="http://catalog.bentley.edu/undergraduate/degree-requirements/context-and-perspectives/#racegenderandinequality">catalog.bentley.edu/undergraduate/degree-requirements/context-and-perspectives/#racegenderandinequality</a> )		
Scientific Inquiry ( <a href="http://catalog.bentley.edu/undergraduate/degree-requirements/context-and-perspectives/#scientificinquiry">catalog.bentley.edu/undergraduate/degree-requirements/context-and-perspectives/#scientificinquiry</a> )		

Values, Ethics, and Society ([catalog.bentley.edu/undergraduate/degree-requirements/context-and-perspectives/#valuesethicsandsociety](http://catalog.bentley.edu/undergraduate/degree-requirements/context-and-perspectives/#valuesethicsandsociety))

<b>Total Credits</b>	<b>18</b>
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### Business Dynamics/Business Administration Minor (18 Credits)

Course	Title	Credits
All courses are required:		
AC 115	Introduction to Financial Reporting and Analysis	3
EC 111	Principles of Microeconomics	3
FI 118	Introduction to Finance	3
LA 100	Business Law	3
MG 116	Human Dynamics in Organizations	3
ST 113	Business Statistics	3
<b>Total Credits</b>		<b>18</b>

### Communication Intensive

All students are required to take a three-credit course designated as a Communication Intensive. This requirement can be met within a variety of course subjects in both Arts & Sciences and Business. Communication Intensive courses are designated with a "CI" in the course schedule. *Transfer students with a minimum of 30 credits will be waived from the Communication Intensive requirement.*

Please note that certain majors have an additional three-credit Communication Intensive built into their major requirements, separate from the general CI requirement.

## Additional Requirements

### Modern Language Requirement (6 Credits)

Course	Title	Credits
Two Modern Language courses (must be two semesters of the same language, regardless of proficiency level)		6
<b>Total Credits</b>		<b>6</b>

### Unrestricted Electives (36 Credits)

Course	Title	Credits
Select 12 elective courses		36
<b>Total Credits</b>		<b>36</b>

**Total: 122 Credits**