

THE UNIVERSITY OF ARIZONA

**College of Architecture, Planning
& Landscape Architecture**

BACHELOR OF SCIENCE IN SUSTAINABLE BUILT ENVIRONMENTS

The Bachelor of Science in Sustainable Built Environments (SBE) is designed for students interested in entering the new green economy.

The world's communities are facing many challenges, including urbanization, climate change and social inequities.

As an SBE student, you'll gain a comprehensive understanding of sustainability principles that will prepare you with the skills to make our buildings, landscapes and communities more resilient. Discover the ecological, social and economic forces that affect the built environment and how to create innovative and realistic solutions.

In SBE, you will have the opportunity to learn:

- Climate change mitigation and adaptation strategies
- Design thinking methodologies
- Energy management and design, incorporating alternative energy solutions for sustainable development
- Environmentally conscious and sustainable design for landscapes and urban ecosystems
- Geographic Information Systems (GIS) and other spatial techniques
- Effective communication strategies using graphic and oral presentations, digital media platforms, and professional publications

CAPLA.ARIZONA.EDU/SBE

We have the opportunity right now to create more sustainable and resilient cities, decreasing their environmental impact to the world, increasing their resilience and equitably improving their residents' quality of life.

CAREER OUTLOOK

The BS Sustainable Built Environments prepares students to compete in the 21st century globalized economy. Our graduates are employed as designers in architecture firms, designers and managers of renewable and other energy systems, managers within nonprofit organizations, leaders in government agencies and corporations offering sustainability-focused products or services and as researchers. Others go on to continue their education in a graduate degree program.

With the BS SBE, you'll be prepared for careers in these industries:

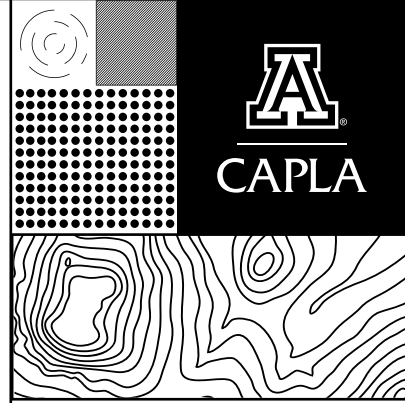
- Sustainability consulting
- Urban & regional planning
- Renewable energy systems design
- Energy auditing
- Environmental research
- Architectural design
- Civil engineering

CONTACT

CAPLA-UGRAD@ARIZONA.EDU

BS SUSTAINABLE BUILT ENVIRONMENTS CURRICULUM

120 UNITS REQUIRED



ADMISSIONS

Students who meet the general admissions requirements of the University of Arizona will be admitted to the Bachelor of Science in Sustainable Built Environments. These include:

- You attended a regionally accredited high school and
- You rank in the top 25% of your graduating class or
- You have a 3.0 unweighted GPA through your sixth semester in the core competency requirements

For students who don't meet the requirements for Assured Admission, the university utilizes a comprehensive review process, which means it considers many factors (academic, extracurricular and personal statement) when reviewing your application. View details at www.arizona.edu/admissions/application-review.

EMPHASIS AREAS

Students are required to select one of the following emphasis areas (6 courses, 18 units):

- Heritage Conservation
- Sustainable Buildings
- Sustainable Communities
- Sustainable Landscapes
- Sustainable Real Estate Development



UPDATED 04/22/2025

FALL 1

Introduction to Sustainability
First-Year Composition
College Algebra
Environmental Studies: Ideas and Institutions
Introduction to the General Education Experience
Second Language Semester 1

SPRING 1

Careers in Sustainability
First-Year Composition
Introductory Biology II: Lecture
Introductory Biology II: Lab
Introduction to Statistics
Second Language Semester 2

FALL 2

Sustainable Design and Planning
History of Sustainability Solutions in Buildings and Communities
Introductory Physics I: Lecture/Lab (AZOnline students only)
Introductory Physics I: Lecture/Lab (Main Campus students only)
General Education: Building Connections
General Education: Exploring Perspectives - Humanist

SPRING 2

Professional Communication and Presentation
Water & Energy: Conventional and Alternative Systems*
Basic Economic Issues**
General Education: Exploring Perspectives - Artist
General Education: Building Connections

FALL 3

Introduction to Design Thinking
Population Geography
Emphasis Course
Emphasis Course
Elective

SPRING 3

Introduction to GIS for Planning and Landscape Architecture
Environmental Ethics***
Urban Ecology
Elective
Emphasis Course

FALL 4

Professional Internship
Research Methods
Emphasis Course
Emphasis Course
General Education Portfolio

SPRING 4

Senior Capstone
Contemporary Architecture and Urban Theory
Emphasis Course
Elective

Fulfills the General Education requirements for:

* Exploring Perspectives - Natural Scientist

** Exploring Perspectives - Social Scientist

*** Building Connections

UNITS

COURSE

1 SBE 195A
3 ENGL 101
3 MATH 112
3 EVS 260
1 UNIV 101

4
15

1 SBE 195B
3 ENGL 102
3 ECOL 182R
1 ECOL 182L
4 SBS 200

4
16

3 SBE 201
3 SBE 223
4 PHYS 102/181
PHYS 110

3
3
16

3 SBE 202
3 CHEE 204
3 ECON 200

3
3
15

4 SBE 301
3 GEOG 367

3
3
3
16

4 LAR 470
3 PHIL 323
3 SBE 424

3
3
16

3 SBE 393
3 SBE 480
3 UNIV 301

3
1
13

3 SBE 498
3 ARC 471S

3
4
13