

*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.*



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
- Construction and project management
- Design thinking
- Energy management and design, including alternative energy
- Environmental landscape design and urban ecology
- Geographic information systems (GIS) and geodesign
- Green infrastructure and water harvesting
- Historic preservation and heritage conservation
- Placemaking and urban design, planning and policy
- Responsible real estate and urban development
- Transportation planning
- Professional communication, digital media and presentation

**CAPLA.ARIZONA.EDU/SBE**

## 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 these and many other careers:

- Urban planner
- Architectural designer
- Renewable energy systems designer or manager
- Landscape designer
- Environmental researcher
- Sustainability and resiliency specialist

## CONTACT

**CAPLA-UGRAD@ARIZONA.EDU**

# BS SUSTAINABLE BUILT ENVIRONMENTS CURRICULUM

## 122 UNITS REQUIRED

### UNITS

### COURSE #

### FALL 1

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

### 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 the Built Environment I  
 Introductory Physics I: Lecture  
 Introductory Physics I: Lab  
 General Education: Exploring Perspectives - Artist  
 General Education: Exploring Perspectives - Humanist

### SPRING 2

Professional Communication and Presentation  
 History of the Built Environment II  
 Water & Energy: Conventional and Alternative Systems  
 Basic Economic Issues  
 General Education: Exploring Perspectives - Natural Scientist

### FALL 3

Introduction to GIS for Planning and Landscape Architecture  
 Emphasis Course  
 Emphasis Course  
 General Education: Exploring Perspectives - Social Scientist  
 General Education: Building Connections

### SPRING 3

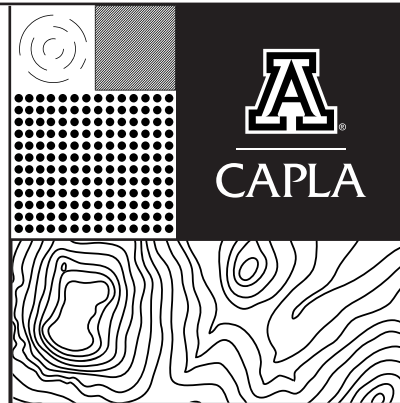
Introduction to Design Thinking  
 Population Geography  
 Environmental Ethics  
 Emphasis Course  
 Emphasis Course

### FALL 4

Professional Internship  
 Research Methods  
 Emphasis Course  
 General Education: Building Connections  
 General Education Portfolio

### SPRING 4

Senior Capstone  
 Contemporary Architecture & Urban Theory  
 Emphasis Course  
 General Education: Building Connections  
 Elective



### 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](http://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



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