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

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 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

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.

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 09/13/2023