

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

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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

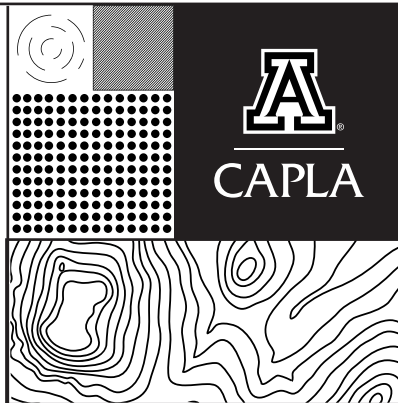
CONTACT

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UNITS

COURSE #

BS SUSTAINABLE BUILT ENVIRONMENTS CURRICULUM



FALL 1

Introduction to Sustainability
 First-Year Composition
 College Algebra
 Second Semester Second Language
 GenEd - Tier I Traditions & Cultures ●

SPRING 1

Careers in Sustainability
 First-Year Composition
 Introductory Biology II - Lecture
 Introductory Biology II - Lab
 GenEd - Tier I Traditions & Cultures ●
 GenEd - Tier I Individuals & Societies ●
 GenEd - Tier I Individuals & Societies ●

FALL 2

Sustainable Design and Planning
 History of the Built Environment I
 Introduction to Statistics
 Basic Economic Issues
 Environmental Studies: Ideas and Institutions

SPRING 2

Professional Communication and Presentation
 History of the Built Environment II
 Water & Energy: Conventional and Alternative Systems
 Introductory Physics I - Lecture
 Introductory Physics I - Lab
 GenEd - Tier II Humanities ●

FALL 3

Introduction to GIS for Planning and Landscape Architecture
 Emphasis Course ○
 Emphasis Course ○
 GenEd - Tier II Arts ●
 GenEd - Tier II Individuals & Societies ●

SPRING 3

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

FALL 4 □

Professional Internship
 Research Methods
 Emphasis Course ○
 Elective
 Elective

SPRING 4 □

Senior Capstone
 History and Theory of Architecture IV: Contemporary Architecture
 Emphasis Course ○
 Elective

NOTES:

- UA General Education requires one course to have a “diversity” emphasis.
- Students are required to select one of the following emphasis areas (6 courses/18 units):
 - Sustainable Building
 - Sustainable Communities
 - Sustainable Landscapes
 - Sustainable Real Estate Development
 - Heritage Conservation
- Additional 500-Level courses may be taken to prepare for the Accelerated Master’s Program (AMP). Some elective courses may be fulfilled by emphasis courses taken during SBE program.

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SBE 195A
 ENGL 101
 MATH 112

SBE 195B
 ENGL 102
 ECOL 182R
 ECOL 182L

SBE 201
 SBE 221
 SBS 200
 ECON 200
 EVS 260

SBE 202
 SBE 222
 CHEE 204
 PHYS 102
 PHYS 181

LAR 470

SBE 301
 GEOG 367
 PHIL 323

SBE 393
 SBE 480

SBE 498
 ARC 471S

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