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

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

CAIT FITZPATRICK
Undergraduate Recruitment Coordinator
fitzpatrick@arizona.edu
520-621-4231

CAPLA.ARIZONA.EDU/SBE
### BS Sustainable Built Environments Curriculum

**FOR THOSE ADMITTED SPRING 2022 AND BEYOND**

<table>
<thead>
<tr>
<th>UNITS</th>
<th>COURSE #</th>
<th>COURSE</th>
<th>UNITS</th>
<th>COURSE</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SBE 195A</td>
<td>3</td>
<td>ENGL 101</td>
<td>3</td>
<td>MATH 112</td>
</tr>
<tr>
<td>1</td>
<td>UNIV 101</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>SBE 195B</td>
<td>3</td>
<td>ENGL 102</td>
<td>3</td>
<td>ECOL 182R</td>
</tr>
<tr>
<td>3</td>
<td>ECOL 182L</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>SBE 201</td>
<td>3</td>
<td>SBE 221</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>SBS 200</td>
<td>3</td>
<td>ECON 200</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>EVS 260</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>SBE 202</td>
<td>3</td>
<td>SBE 222</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>CHEE 204</td>
<td>3</td>
<td>PHYS 102</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PHYS 181</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>LAR 470</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>SBE 301</td>
<td>3</td>
<td>GEOG 367</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>PHIL 323</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>SBE 393</td>
<td>3</td>
<td>SBE 480</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>UNIV 301</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>SBE 498</td>
<td>3</td>
<td>ARC 471S</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Fall 1
- Introduction to Sustainability
- First-Year Composition
- College Algebra
- 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
- Second Language Semester 2
- General Education: Exploring Perspectives

### 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
- General Education: Building Connections

### Fall 3
- Introduction to GIS for Planning and Landscape Architecture
- Emphasis Course
- Emphasis Course
- General Education: Building Connections
- General Education: Exploring Perspectives

### Spring 3
- Introduction to Design Thinking
- Population Geography
- Environmental Ethics
- Emphasis Course
- Emphasis Course

### Fall 4
- Professional Internship
- Research Methods
- General Education Portfolio
- Elective
- Elective

### Spring 4
- Senior Capstone
- History and Theory of Architecture IV: Contemporary Architecture
- Emphasis Course
- Elective
- Elective

**NOTES:**
- A minimum of 120 units of coursework are required.
- The following courses fulfill these GE requirements:
  - PHYS 102 – Exploring Perspectives: Natural Scientist
  - EVS 260 – Exploring Perspectives: Social Scientist
  - PHIL 323 – Building Connections
- 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
- Additional 500-Level courses may be taken to prepare for an Accelerated Master’s Program (AMP). Some elective courses may be fulfilled by emphasis courses taken during SBE program.

**CONTACT**

ACADEMIC ADVISOR
SEAN KRAMER
Student Academic Support Specialist
sikrame@arizona.edu

UPDATED 01/21/2022