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

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# 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 |