

UNDERGRADUATE EMBEDDED CERTIFICATE IN SUSTAINABLE ARCHITECTURE

The Certificate in Sustainable Architecture provides undergraduate students who major in Architecture the opportunity to specialize in design and technical innovations that will increase building energy performance, reduce emissions, use eco-friendly materials, and thereby increase the durable societal value of the built environment. The design and retrofit of energy efficient buildings, better material choices and improved occupant comfort are the primary skills acquired at the intermediate level through this certificate.

Students will furthermore understand the foundations of sustainability and learn the skills to apply sustainability ratings, understand the operational role of building systems and social value of building form and space and learn the tools to simulate, measure and increase sustainability at the building as well as the urban scale.

At this time, the certificate in Sustainable Architecture is available only to Architecture majors.

For more information and how to apply, [click here](#).

Program of Study

| Code | Title | Credit Hours |
|-----------------------------------|---|--------------|
| Required | | |
| ARCH 4227 | Architecture and Ecology | 3 |
| ARCH 4226 | Green Construction | 3 |
| ARCH 4231 | Environmental Systems and Design Integration II | 3 |
| Elective | | 3 |
| ARCH 4151 History of Urban Form | | |
| ARCH 4320 Retrofitting Suburbia | | |
| ARCH 4447 Urban Ecological Design | | |
| ARCH 4805 | Design Build South Africa I | |
| ARCH 4801 | Design Build South Africa II | |
| Total Credit Hours | | 12 |

- Courses must be completed with a 'C' grade or higher
- Courses used to satisfy the certificate requirements may be used to fulfill free electives required by the Institute as well as Architecture electives for Architecture majors.