



[Associate of Science in Building Construction](#)

The purpose of this program is to prepare students for careers in the construction industry. The focus of the program is both commercial and residential construction. Students completing the program typically are employed as supervisors, job foremen, or office support staff, performing such duties as purchasing or estimating. Students with previous building experience may seek to obtain either a county or state contractor's license. The primary goal of the program is to prepare students for employment after graduation. However, some students elect to transfer to an upper division school to seek a baccalaureate degree in building construction once they have completed the general education requirements of an A.A. degree.

[Alternative Energy Engineering Technology Certificate](#)

The purpose of this certificate is to provide students with a foundation of knowledge and technically oriented experiences in the study of alternative energy technology. This certificate focuses on transferable skills and stresses understanding and demonstration of the technological tools, machines, instruments, materials, processes, and systems in business and industry. The content includes, but is not limited to, a study of power systems and the kinds and sources of energy. The content and activities will also include the study of entrepreneurship, safety, and leadership skills.

[Sustainable Design Certificate](#)

The purpose of this program is to prepare students for employment as construction planners, or to provide supplemental training for persons previously or currently employed in these occupations.

The content includes, but is not limited to, communication skills, leadership skills, human relations and employability skills, safe and efficient work practices, assisting architects and architectural engineers in planning and designing structures, using construction materials, and dealing with contracts and specifications.

This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the Architectural Design and Construction industry, planning, management, finance, technical and product skills, underlying principles of technology, labor issues, community issues and health, safety, and environmental issues.

[Continuing Education: Green and Renewable energy Training](#)

Courses for homeowners and professionals.

Gulf Coast Community College also offers these courses:

Title of Course	Program (CCC/Degree)	No. CrHrs	Course No. Prefix	No. of new course
Introduction to Energy Environment and Society		3	EST	1835
Alternative Energy Inventory and Analysis		3	EST	1831
Alternative Energy Inventory and Analysis Lab		3	EST	1831L
Solar Energy		3	EST	1801C
Geothermal Energy		3	EST	1840
Biofuels and Biomass		3	EST	1821
Introduction to Sustainability and Measurement Systems		3	BCN	1040
Introduction to Sustainable Sites		3	BCN	1041
Introduction to Sustainable Water Systems		3	BCN	1042
Introduction to Sustainable Design Materials and Resource		3	BCN	1043
Introduction to Indoor Environmental Air Quality		3	BCN	1044
Introduction to Integral Sustainable Design Theory		4	BCN	1045