



Green Building Technology Certificate

Program: Engineering

Program Code:

GB

Academic Area:

Science, Technology, Engineering and Mathematics

Type:

Certificate of Accomplishment

Campus:

Fall River

CIP Code:

15.1001

Program Goals Statement

This certificate introduces students to the construction profession and provides them with the applied technical skills necessary for employment as construction technicians or to direct a construction project. Students learn the process of constructing a green building from the ground up, develop an in-depth working knowledge of energy efficiency, conservation and construction estimating techniques, and gain practical experience in preparing working drawings for building construction. Graduates of this program will be prepared to complete the LEED Green Associate certification, which denotes basic knowledge of green design, construction, and operations. Due to the greater use of CAD equipment by architects and engineers, as well as drafters, students also develop drafting techniques using computer-aided design and drafting software, including AutoCAD.

Program Information

Some certificate courses can apply to Bristol's Architectural and Civil Technology degree program.

Program Requirements

Course #	Title	Credits
CAD 101	Computer Aided Drafting	3
CAD 122	Architectural Drawing	3
EGR 123	Green Building Practices	4
EGR 125	Construction Estimating	3
EGR 183	Energy Efficiency and Conservation Measures	3
ENG 101	Composition I: College Writing	3
MTH 152	College Algebra	3



Recommended Course Sequence - Semester 1

Course #	Title	Credits
CAD 101	Computer Aided Drafting	3
EGR 123	Green Building Practices	4
EGR 125	Construction Estimating	3
MTH 152	College Algebra	3

Recommended Course Sequence - Semester 2

Course #	Title	Credits
CAD 122	Architectural Drawing	3
EGR 183	Energy Efficiency and Conservation Measures	3
ENG 101	Composition I: College Writing	3
	Total credits:	22