



UNIVERSITY of HAWAII®
HAWAII
COMMUNITY COLLEGE

Sustainable Lot Design & Site Preparation Certificate

An accelerated way to enhance work-related skills for employees!

This certificate includes the study of natural environmental issues, the National Green Building Standard developed by the National Association of Home Builders (NAHB), and its application development of residential projects. Students are introduced to other nationally recognized organizations, such as the US Green Building Council, LEED building certification process, greenbuilding materials and sustainable technologies. Learn to use technology in research, written assignments, drawing projects and presentations.

- ➔ Computer Aided Drafting (CAD)
- ➔ Sustainable Building Techniques
- ➔ Survey Data Collection
- ➔ Site Plans
- ➔ Lot Design

CLASS SCHEDULING

The following courses are all 8-weeks.

Summer, May 18 - July 8, 2015 or Fall, August 24 - October 16, 2015 (class dates may change)

AEC 197B – Computer Aided Drafting (CAD) (3credits) online*

Designed for students interested in CAD drawing. This course is designed for the student with no CAD experience. Introduction to AutoCAD's basic drawing commands will be the focus including features, functions, and operations. Students will also learn how to create blocks, external references, and how to utilize paper and model space layouts.

AEC 197C – Geomatics & Land Surveying I (3 credits) hybrid*

Introduction to Geomatics and Land Survey science, terminology, field practices, equipment, hardware, and software for measuring, locating, and mapping geographic features on the face of the earth. Students will learn how to setup survey field equipment and notes for turning and measuring horizontal and vertical angles and distances from a known reference baseline. Survey data will be collected and analyzed for input into CAD or other survey office software.

Fall, Oct 19 - Dec 11, 2015 (second session) (class dates may change)

AEC 198A – Sustainable Environmental Design (2 credits) online*

Involves the study of natural environmental issues, the National Green Building Standard developed by the National Association of Home Builders (NAHB), and how it applies to the development of residential projects. Topics also include introduction to other nationally recognized organizations such as the U.S. Green Building Council and their Leadership in Energy and Environmental Design (LEED) program regarding building certification and credentials. Also includes an introduction to green building materials, systems, and terminology. Involves research, written assignments, drawings, and presentations.

AEC 198B – Sustainable Design & Site Preparation (3 credits) online*

Prereq: Successful completion of 197B & 197C

Introduction to civil engineering drawings including maps, surveys, contours and profiles, site plans, site utilities, and land excavation. Also included are CAD drawings to alter site contours, retain site areas, and flanking cut-and-fill gradients for roadways. Emphasis will focus on measuring horizontal distances, on steep slopes, alignment between points, and mistakes and errors in measuring distances.

*Online courses are delivered 100% online. Hybrid courses include both in-class and online modules.



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For more information please go to:

<http://hawaii.hawaii.edu/programs-courses/> or <http://hawaii.hawaii.edu/rh/>
We look forward to answering any questions you may have. Please contact us at:
(808) 934-2689 or email us at: myfuture@hawaii.edu

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For inquiries or complaints concerning our non-discrimination policies, please contact: Disabilities Counselor, Section 504 Coordinator (808-934-2725, Hawaii CC Bldg. 388-Room 106) or Vice Chancellor for Student Affairs, Title IX Coordinator (808-934-2509, Hawaii CC Bldg. 378).