



## Green Buildings - Certificate of Achievement

This purpose of this certificate is to develop job skills and an understanding of green strategies for high-performance buildings and livable communities. It is focused at students and professionals in the fields of architecture; construction; building management; construction management; building inspection; design technology; landscape; and planning, who want to acquire a comprehensive knowledge of an integrated, economic life-cycle approach to the design of the built environment. It includes the study of green rating systems, material choices and environmental strategies for a livable, sustainable future.

### SUGGESTED PROGRAM COURSE SCHEDULE

#### SEMESTER 1

9 UNITS

Course	Units	Pre-Reqs <sup>^</sup>	Semesters offered*	GE Area
<b>CMT 310</b> Materials of Constructions	3	Advisory: CMT 300	F(O), S(O), Su(O)	
<b>6 units from List A</b>	6	See List A	See List A	See List A

#### SEMESTER 2

9 UNITS

Course	Units	Pre-Reqs <sup>^</sup>	Semesters offered*	GE Area
<b>ARCH 342</b> Intro to Green Buildings	3	None	S	
<b>6 units from List A</b>	6	See List A	See List A	See List A

<sup>^</sup>You must have passed the prerequisite course(s) with a "C" or better; Corequisite must be taken during the same semester; Advisory means it is recommended but not required to enroll in the course.

\*(O) = online available (H) = hybrid available

**Career Options/Outlook:** This certificate may complement other career options. Energy Auditors conduct energy audits of buildings, building systems, or process systems. They may also conduct investment grade audits of buildings or systems. Sustainability Directors help coordinate compliance with sustainable rating systems like the Living Building Challenge and LEED.

**A sample of reported job titles:** Building Energy Consultant, Building Performance Consultant, Building Performance Specialist, Energy Auditor, Energy Consultant, Energy Rater, Home Energy Rater, Home Performance Consultant, Quality Assurance Supervisor, Residential Energy Auditor, Sustainability Director

**Projected job opening in California (2016-2026):**  
15,260

**Projected growth:**  
Average (4%-6%)

**Salary in California:**  
Median wage (2018): \$75,060yr

Source:

<https://www.onetonline.org/link/summary/13-1199.01>

**List A-a minimum of 12 units from the following:**

Course	Units	Pre-Reqs <sup>^</sup>	Semesters offered*	GE Area
<b>ARCH 332</b> Design Awareness	3	ARCH 320 & 321	F, S	CRC Area I
<b>ARCH 334</b> Advanced Design in 3D	3	ARCH 332	S	
<b>ADT 320</b> Building Info Modeling I	3	Advisory: ADT 310	F, S	
<b>ADT 322</b> Building Info Modeling II	3	ADT 320 or equivalent experience	F	
<b>BIT 150</b> CA Energy Code-Building Energy Efficiency Standards	3		F(O)	
<b>CONST 143</b> Photovoltaic System	3		Check Class Schedule for Offering	
<b>ECON 306</b> Environmental Economics	3	Advisory: MATH 120 or 125	F	CRC Area V(b)
<b>GEOG 302</b> Environmental Studies & Sustainability	3		F, S	CRC Area V(b)
<b>GEOG 305</b> Global Climate Change	3		F(O), S(O)	CRC Area IV
<b>GEOG 306</b> Weather & Climate	3	Advisory: MATH 30	Check Class Schedule for Offering	CRC Area IV

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**Honors option:**

The CRC Honors Program is designed specifically for academically accomplished students and for students with the potential for high achievement. Students who complete 15 units or more in honors-designated courses will earn special recognition as an Honors Scholar, a distinction that may entitle the student to guaranteed transfer and scholarship opportunities at select transfer colleges and universities.

**Transfer notes:**

Please meet with a counselor for specific transfer course evaluation or transferring to a specific 4-year institution.