

PROGRAM OF STUDY

BUILDING ENERGY CONSULTANT Certificate of Achievement

This certificate of achievement is for students interested in a career in the building energy consulting industry. Energy consultant selects the energy systems, documents, and verifies energy code is being met. Energy consultants work in a team environment, coordinating directly with architects, engineers, subcontractors, and the building owner to oversee, and examine multiple pathways to achieve the energy goals set by the owner and city ordinances. The student will model the building with alternative wall systems, roofs, window, and energy systems to meet the owner's energy goals. The student will receive comprehensive training in energy analysis software programs that may be used to document compliance with CA Building Energy Efficiency Standards (Title 24, Part 6), ASHRAE 90.1 Standards, HERS energy rating systems as well as residential and nonresidential Green Building rating systems, such as GreenPoint Rated and LEED.

Career Opportunities in

1.Environmental Energy Consultant 2.Energy Sales Consultant 3.Entry Level Energy Consultant 4.Energy Consultant / Customer Representative 5.Home Energy Consultant 6.Retail Energy Consultant 7.Solar Energy Consultant 8.Solar Sales and Marketing Energy Consultant 9. Energy Efficiency Program Consultant

ESYS 004	Industrial Calculations	3
ESYS 005	Zero Net Energy Building Science	4
ESYS 021	Residential Energy Modeling	3
ESYS 022	Residential Energy Modeling Design Project (ESYS-Res2)	2
ACR 075	HVACR Systems Design	3
ACR 077	Energy Conservation Methods for HVACR	3
BIT 020	California Mechanical Codes	2
BIT 024	California Energy Codes	3
ARCH 011	Architectural Blueprint Reading	3

Total Units

26

PID 309