

Energy Management and Building Science Certificate and Degree- 2018-2019

Certificate of Achievement:

ES 4- Energy, the Environment and Society ¹	4 Units
ES 58- Introduction to Green Building	1 Unit
ES 64- California's Approach to Global Warming/Climate Change	2 Units
ES 69- Energy Management within Your Organization	1 Unit
ES 70- Introduction to Energy	1 Unit
ES 71- Introduction to Sustainable Buildings	1 Unit
ES 76- Energy Star Products	1 Unit
ES 78- Introduction to Energy Management Systems and Controls	1 Unit
ES 79- Renewable and Alternative Energy	1 Unit
ES 81- LEED/ Sustainable Building Codes	2 Units
ES 82- Project Management/Report Writing for Energy Professionals	2 Units
ES 83- Energy Management Return on Investment (ROI)	2 Units
Total	19 Units (12 Courses)

Certificate of Achievement Advanced

ES 51A- Sustainable Energy Systems (Prerequisite- ES 70)	4 Units
ES 51B- Energy Efficient Buildings (Prerequisite- ES 71)	3 Units
ES 51C- Building Automation Systems (Prerequisite- ES 78)	2 Units
ES 69A- Introduction to Facilities Management	3 Units
ES 76A- Solar Thermal Systems	1 Unit
Total	13 Units (5 Courses)
Total COA and COA-A	32 Units (17 Courses)

Associate in Science Degree (Select 18 Units)

CIS 3- Business Information Systems	4.5 Units
CIS 79- Managing Technology Projects	4.5 Units
ES 1- Introduction to Environmental Studies	4 Units
ES 50- Introduction to Environmental Resource Management/ Pol Prev	3 Units
ES 61B- Env. Resource Management: Energy, Chemicals and Waste	4 Units
ES 62C- Env. Management Tools- Env Site Assessments	4 Units
ES 62D-Env. Management Tools- Industrial Ecology/ Sustainable Design	4 Units
ES 66- Environmental Leadership	1 Unit
ES 84- Residential Solar Design and Installation	1 Unit
ES 95- Environmental Careers	1 Unit
ESCI 1 Environmental Science	4 Units
MATH 114- College Math Prep Level 3: Intermediate Algebra	5 Units
MET 10- Weather and Climate Processes	5 Units
PHYS 10- Concepts of Physics	5 Units