

# Energy Systems Technology Management

## Residential Energy Assessment Skills Certificate

ESTM 425 Building Performance Assessment	4
ESTM 426 Building Performance Retrofitting	4
<b>TOTAL:</b>	<b>8 UNITS</b>

## Energy Efficiency Certificate

ESTM 400: Clean Energy Concepts, Policies, and Industries	3
BUS 401: Business Communications	3
BUS 115: Business Math <b>or</b> BUS 120: Math Analysis for Business	3
ESTM 421: Principles of Building Science, How Houses Work	3
ESTM 402: Intro to Residential Construction	3
ESTM 427: Introduction to Whole Home HVAC	3
ESTM 425: Building Performance Assessment	4
ESTM 426: Building Performance Retrofitting	4
Elective	2
<b>TOTAL:</b>	<b>28 UNITS</b>

## Energy Efficiency Associate Degree

The classes above, plus:	
Capstone and Electives; General Education Requirements	32
<b>TOTAL:</b>	<b>60 UNITS</b>

Associate  
Degree

## Solar Sales and Finance Certificate

ESTM 411 Intro to Solar Photovoltaics (PV) Systems and Markets	2
ESTM 412 Solar Photovoltaics (PV) Design Fundamentals	2
ESTM 413 Solar Photovoltaics (PV) Finance and Sales	2
<b>TOTAL:</b>	<b>6 UNITS</b>

## Solar Installation Certificate

ESTM 400: Clean Energy Concepts, Policies, Industries	3
BUS 401: Business Communications	3
BUS 115: Business Math <b>OR</b> BUS 120: Math Analysis for Business	3
ESTM 402: Introduction to Residential Construction	3
ELEC 110: Fundamentals of Electronics	4
ESTM 410: Solar Installation and Integration	3.5
Electives	8
<b>TOTAL:</b>	<b>27.5 UNITS</b>

## Solar Technology Business Certificate

ESTM 400: Clean Energy Concepts, Policies, Industries	3
BUS 401: Business Communications	3
BUS 115: Business Math <b>OR</b> BUS 120: Math Analysis for Business	3
MGMT 100: Intro to Business Management	3
ESTM 411: Intro to Solar Photovoltaics (PV) Systems and Markets	2
ESTM 412: Solar Photovoltaics (PV) Design Fundamentals	2
ESTM 413: Solar Photovoltaics (PV) Finance and Sales	2
Electives	10
<b>TOTAL:</b>	<b>28 UNITS</b>

## Solar Technology Business Associate Degree

The classes above, plus:	
Capstone and Electives; General Education Requirements	32
<b>TOTAL:</b>	<b>60 UNITS</b>

Associate  
Degree

## Climate Protection Skills Certificate

ESTM /ENVS 491 Climate Protection Professional I	3
ESTM/ENVS 492 Climate Protection Professional II	3
ENVS 670 Vocational Coop Ed in Environmental Science & Tech	4
<b>TOTAL:</b>	<b>10 UNITS</b>

## ESTM Small Business Management Associate Degree

ESTM 400: Clean Energy Concepts, Policies, Industries	3
BUS 100: Introduction to Business	3
BUS 150: Entrepreneurship - Small Business Management	3
ACTG 100: Accounting Procedures	3
BUS 201: Business Law	3
BUS 296: New Economy Marketing	3
MGMT 100: Introduction to Business Management	3
BUS 297- Business Planning for Success	2
Electives	12
General Education	19
<b>TOTAL:</b>	<b>60 UNITS</b>

Associate  
Degree



**Skyline**  
COLLEGE