

The goal of the Sustainable Technologies Program (STP) is to provide Santa Monica College students with high quality training that will enable students to obtain desirable employment in the green jobs sector.

What is a Green Job?

- Pays a living wage and supports a sustainable economy.
- Helps protect the planet.
- Improves social justice.
- Makes a difference while making a living!

As more cities and businesses develop sustainability policies, there is an increased need for trained staff that can properly manage resources and initiate programs. This for credit program will provide students with the tools they need to compete in the green job marketplace while pursuing higher educational goals.



The Center for Environmental and Urban Studies (CEUS) is an environmental information and research center for students, faculty, and the surrounding community.

Housing SMC's green student clubs, Sustainable Works, the Environmental Resource Library, and environmental career, job and volunteer postings, the CEUS is the hub of sustainability at SMC.

The CEUS is a living laboratory of sustainability, including many green building features and best practices presented in an educational demonstration model. Educational and engaging tours are offered by request: ceus@smc.edu

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SUSTAINABLE TECHNOLOGIES PROGRAM



Career Technical Education offered
by the Earth Science Department

Photovoltaic Installation

The program is designed to provide students the skills necessary to place and advance in the solar energy industry. It is also designed to provide students with a holistic perspective on the role of solar power in a changing global economy and climate. The hands on curriculum provides students with the practical skills and knowledge needed to successfully pass the entry level NABCEP exam.

Core Classes:

Photovoltaic Systems 1: Intro. to Solar Energy Systems
Photovoltaic Systems 2: Intermediate PV System Installation
Photovoltaic Systems 3: Adv. Solar Photovoltaic Systems
Energy Efficiency 1: Introduction to Energy Efficiency

Electives:

GEOG 20 or INT AR 35 and ENVRN 40, ENVRN 22, ENVRN 20, ENVRN 7

Certificates:

12-unit Department Certificate: PV1, PV 2, EE 1, EE 2
19-unit Certificate of Achievement: PV 1, PV 2, PV 3, EE 1 + ENV 7 + GEOG 20 or INT AR 35

Jobs:

- Entry level solar installer
- Solar design positions
- Solar sales professionals
- Entrepreneurial opportunities



Recycling and Resource Management

The Recycling and Resource Management (RRM) Program at Santa Monica College is designed to provide formal training for individuals interested in working in the green jobs sector or bring an environmental competitive edge to their traditional position, such as marketing or facilities management. This training program will provide students with the resources they need to compete in the green jobs marketplace.

Core Classes:

Recycling and Resource Management 1: Introduction to Recycling Resource Management
Recycling and Resource Management 2: Culture and Zero Waste
Recycling and Resource Management 3: Resource Management and Zero Waste for Communities
Recycling and Resource Management 4: Resource Management and Zero Waste in Business

Electives:

ENVRN 40, ENVRN 22, ENVRN 20, ENVRN 7, COUNS 90C

Certificates:

12-unit Department Certificate: RRM 1, RRM 2, RRM 3, RRM 4
18-unit Certificate of Achievement: RRM 1, RRM 2, RRM 3, RRM 4 + 2 electives

Jobs:

- Recycling coordinator
- Sustainability coordinator
- Waste hauler sales rep
- Zero-waste events specialist



Energy Efficiency

This certificate is designed to provide formal training in the Energy Services field. Students will learn to provide analyses and recommendations to increase energy efficiency in residential and commercial settings including alternative energy sources, and unconventional lighting, cooling, space heating, and resource management procedures.

Core Classes:

Energy Efficiency 1: Introduction to Energy Efficiency
Energy Efficiency 2: Residential Building Science
Energy Efficiency 3: Commercial Building Science
Photovoltaic Systems 1: Intro. to Solar Energy Systems

Certificate:

13 unit Departmental Certificate: EE 1, EE 2, EE 3, PV 1

Jobs:

- Energy efficiency auditor
- Energy specialist
- Home Energy Rating System (HERS) rater
- Building analyst

