

# Environmental Career Pathway

## Sustainable Building Specialist

### Standard Occupational Classification 13-1199

**Description:** Address organizational sustainability issues, such as waste stream management, green building practices, and green procurement plans

#### **Responsibilities:**

- Create or maintain plans or other documents related to sustainability projects.
- Develop sustainability project goals, objectives, initiatives, or strategies in collaboration with other sustainability professionals
- Assess or propose sustainability initiatives, considering factors such as cost effectiveness, technical feasibility, and acceptance
- Provide technical or administrative support for sustainability programs or issues
- Monitor or track sustainability indicators, such as energy usage, natural resource usage, waste generation, and recycling.



#### **Knowledge Required :**

- *Building and Construction*-Knowledge of materials, methods, and the tools involved in the construction or repair of houses, buildings, or other structures such as highways and roads.
- *Design*-Knowledge of design techniques, tools, and principles involved in production of precision technical plans, blueprints, drawings, and models.
- *Engineering and Technology*-Knowledge of design techniques, tools, and principles involved in production of precision technical plans, blueprints, drawings, and models.
- *Administration and Management*- Knowledge of business and management principles involved in strategic planning, resource allocation, human resources modeling, leadership technique, production methods, and coordination of people and resources

#### **Similar Careers:**

- *Business Continuity Planners*- SOC 13-1199.04
- *Security Management Specialists*- SOC 1199.03
- *Business Operations Specialists*- SOC 13-1199.0
- *Facility Manager*- SOC- 11-3013

#### **Required Education:**

- *High School Diploma/GED*- 23%
- *Post Secondary Certificate*- 27%
- *Bachelor's Degree*- 27%

**De Anza Contact- Bill Roeder**  
([roederwilliam@deanza.edu](mailto:roederwilliam@deanza.edu))



# Sustainable Building Specialist- SOC 13-1199

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

## ***Preparing for this Career Pathway at De Anza:***

### ● ***Key Classes to Take:***

***ES 4- Energy, the Environment and Society***  
***ES 58- Introduction to Green Building***  
***ES 64- California's Solution to Climate Change***  
***ES 69- Energy Reliability Within Your Organization***  
***ES 69A-Introduction to Facilities Management***  
***ES 70- Introduction to Energy***  
***ES 71- Introduction to Sustainable Buildings***  
***ES 76- Energy Star***  
***ES 76A-Solar Thermal Systems***  
***ES 78- Introduction to Energy Management Systems and Controls***  
***ES 79- Renewable and Alternative Energy Systems***  
***ES 81- Leadership in Energy & Environmental Design/ Building Codes***  
***ES 82- Program Management/ Report Writing for Energy Professionals***  
***ES 83- Energy Management Return on Investment***

### ● ***AS Degrees at De Anza Related to this Career Pathway:***

***Program Contact: Bill Roeder (roederwilliam@fhda.edu)***

- ***Energy Management and Building Science***  
***([www.deanza.edu/es/emt](http://www.deanza.edu/es/emt))***
- ***Facility and Sustainable Building Management***  
***(<http://www.deanza.edu/es/emt/FMDegree.html>)***

### ***Professional Networking Opportunities:***

- ***Association for Facilities Engineering (AFE)***
- ***International Facility Management Association (IFMA)***

## Projections for Sustainable Building Specialists



**\*SOURCE: US BUREAU OF LABOR STATISTICS- 2018** Wage data; 2016-2026 Employment Projections Projected Job Growth" represents the estimated change in total employment over the projections period (2016-2026). "Projected Job Growth" represents openings due to growth and replacement