

# 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.



#### **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%*

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#### **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*

# 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](mailto: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.