

Environmental Career Pathway

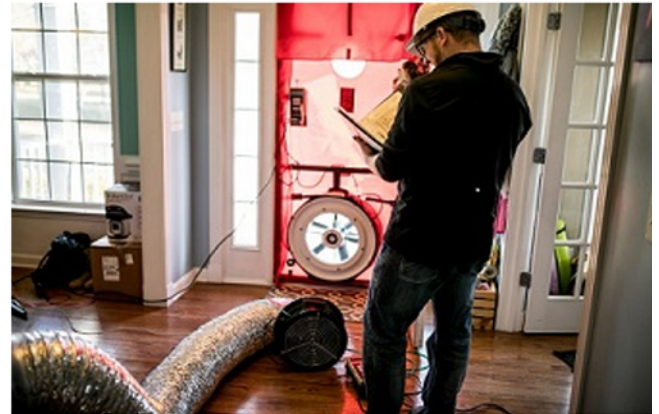
Energy Auditor

Standard Occupational Classification- 13-1199

Description: Conduct energy audits of buildings, building systems, or process systems. May also conduct investment grade audits of buildings or systems.

Responsibilities:

- Identify opportunities to improve operational efficiency
- Assess the cost effectiveness of products, projects, or services
- Inspect facilities or equipment to ensure specifications are met.
- Analyze risks related to investments in green technology.
- Prepare financial documents, reports, or budgets.



Similar Careers:

- Environmental Engineering Technician- SOC 17-3025
- Surveying Technicians- SOC 17-3031
- Construction and Building Inspectors- SOC 47-4011

Education Required:

- High School Diploma or Equivalent- 23%
- Post Secondary Certificate or Degree- 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.
- Customer and Personal Service-Knowledge of principles and processes for providing customer and personal services. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction.
- Mathematics-Knowledge of arithmetic, algebra, geometry, calculus, statistics, and their applications.
- Engineering and Technology- Knowledge of the practical application of engineering science and technology. This includes applying principles, techniques, procedures, and equipment to the design and production of various goods and services.



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

Professional Networking Opportunities:

- **Association for Facilities Engineering (AFE)**

Projections for Energy Auditors



Nationwide Energy Auditor
jobs in the US in 2016-
1,024,000



Median Annual Salary in
2017- *\$70,530



Projected Job Growth-2016-2026
5- 9%"AVERAGE"
104,200 NEW JOBS NATIONWIDE

Most Common Industries For Energy Auditors



Government



Scientific and Technology



Business & Professional

***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