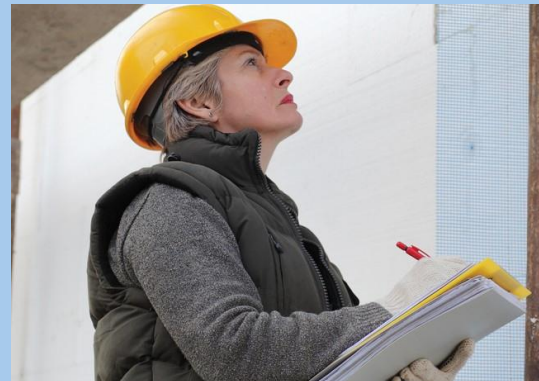


Building Analyst

The Building Analyst (BA) is a trained and experienced professional responsible for assessing the overall performance of residential buildings. This includes evaluating health and safety conditions, energy efficiency, comfort, and building durability. The BA performs diagnostic testing, collects and analyzes data, and uses modeling tools to identify issues and recommend targeted improvements. Their findings help homeowners make informed decisions to enhance the comfort, safety, and efficiency of their homes.



Job Opportunities

Careers in weatherization, heating and cooling, renewable energy, energy efficiency and more.

What does it take to be a Building Analyst?

- Attention to detail
- Strong communication skills to interact with clients and co-workers
- Problem solving and ability to organize
- Math skills and knowledge of building science
- Understanding of construction and weatherization techniques

What do you do?

- Collect data/information about the home
- Perform diagnostic testing
- Evaluate collected data
- Utility usage information, existing insulation R-values, blower door testing information, infrared scan results, Health and Safety concerns
- Run electronic energy audit to determine list of measures
- Develop work order for home

How do I become one for the State of Michigan?

Requisites

- **OSHA 10hr:** MiTEC does not offer OSHA Training. OSHA 10 Hour Course can be found online.
- **LRRP:** MiTEC does not offer Lead Renovation, Repair, and Painting (LRRP) training. LRRP course can be found online.
- **Lead Safe Work (LSW):** Offered online through MiTEC
- **Health & Safety:** Offered online through MiTEC
- **Building Science Principles (BSP) Certificate:** Offered through MiTEC; in person learning as well as through Building Performance Institute (BPI).

Core Classes (see CSPM 618) (Training Details/Descriptions can be viewed [here](#))

- **Diagnostic Tools for Auditors:** Offered through MiTEC.
- **Building Analyst Technician (BA-T):** Offered through MiTEC.

- **BA-T Onsite Testing:** Offered through MiTEC.
- **Virtual Math Prep:** Offered through MiTEC.
- **Building Analyst Professional (BA-P):** Offered through MiTEC.
- **BA-P Online Testing:** Offered through MiTEC.
- **NEAT/MHEA Data Entry Training:** Optional - Offered through MiTEC (Required for WAP).
- Obtain BAT and BAP Certification through BPI.

Electives

- **Mechanical Systems Inspection for Auditors (MSIA):** Optional - Offered through MiTEC.
- **Venting and Combustion Air (VCA):** Optional - Offered through MiTEC.
- **ASHRAE 62.2-2016:** Optional - Offered through MiTEC.
- **Zone Pressure Diagnostics (ZPD):** Optional - Offered through MiTEC.
- **Combustion Appliance Zone (CAZ):** Optional - Offered through MiTEC.

Key Definitions

- **Optional - Offered through MiTEC (Required for WAP)** – This is an optional course for students outside of the Weatherization Assistance Program (WAP). If you are in the WAP, it is required.
- **Optional - Offered through MiTEC** – This is a training option that is offered through MiTEC to enhance your building science knowledge.
- **Offered through MiTEC** – This training is offered through MiTEC for the Building Analyst certification.
- **Offered through MiTEC; in person learning as well as through Building Performance Institute (BPI)** – This means you can work with MiTEC or BPI directly to obtain the certificate. MiTEC offers training for the certificate.

Resources

[Building Performance Institute, Inc. | Building Science Principles](#)

[Building Performance Institute, Inc. | Building Analyst Technician \(BA-T\)](#)

[Building Performance Institute, Inc. | Building Analyst Professional \(BA-P\)](#)

[Renovation, Repair and Painting Program: Renovator Training | US EPA](#)

[OSHA Training Institute Education Centers | Occupational Safety and Health Administration](#)

[State of Michigan LMS](#)

If there are any questions, please contact:

MDHHS-MiTec@michigan.gov