

Welcome to WCC's Larry L. Whitworth Occupational Education Building

The campus community is committed to keeping our environment vibrant and healthy. To this end, WCC has signed the American College and University Presidents' Climate Commitment to explore and implement strategies to reduce or eliminate global emissions and to move as close to carbon neutral as possible. Over the last year, we have incorporated many of those strategies into this building. We are proud that our efforts have created this environmentally-friendly and beautiful facility for future generations of students.

Please use this map to guide you through the building to see some of the important changes we've made.

To reduce our own footprint...

- All toilets and sinks are low volume to reduce water usage.
- All classrooms and hallways have occupancy sensors so the lights are off until needed, reducing electricity usage.
- Outside lawn sprinkler heads are low volume to reduce water usage.
- All hallway lighting uses T-5 bulbs, that use less energy than traditional fluorescent bulbs.



1 Rubber flooring



All of the new rubber flooring is made from recycled materials.

2 Filtered water/ Bottle filler drinking fountains



By refilling water bottles, these drinking fountains will save thousands of plastic bottles from ending up in a landfill.

3 Daylight harvesting



By letting in natural light, the overhead lights come on only when needed, thus saving electricity.

4 Carpet



All new carpeting is made from recycled material.

5 LED lighting



These small pendant lights are powered completely by solar panels.

6 Solar panels



Two sets of solar panels capture the energy from the sun to power the domestic hot water system and some lighting.

7 EPDM



Ethylene propylene diene monomer roofing material—this white rubber roofing membrane reflects the light and has high resistance to ozone, weathering and cracking as a result of rapid temperature change.

8 Vegetative roof



The OE Building roof contains areas of extensive vegetation that includes nine kinds of sedum, areas of intensive vegetation that includes such species as purple cone flower, daylily and spiderwort.

9 Water collection



Soon all hydration for the vegetative roof will come from rain water collection.

10 HVAC lab



HVAC students learn on functioning residential thermal pumps thanks to the 140 wells dug outside the OE Building.

11 Geothermal mechanical pumps



These pumps take water out of the wells and pump it up to the two 5-star energy heating and cooling systems to keep the building at a comfortable 76 degrees.

12 Water-borne paint booths



Auto body repair students learn the latest in environmentally-friendly automotive refinishing techniques using nontoxic paint.

13 Geothermal wells



140 wells were dug down 400 feet to achieve a consistent volume of water to keep a consistent supply to the geothermal pumps.

14 No-mow grass



This slow-growing grass requires little to no maintenance, which will reduce the amount of gas needed for frequent mowing.



**Washtenaw Community College's
Larry L. Whitworth
Occupational Education Building**

Your guide to new environmental features

