

Building Science (Portland)

Take the mystery out of tight homes and moisture management by gaining confidence in your energy-efficient design and construction practices while optimizing your investment and reducing liability through superior building performance.

This course explores how properly designing and constructing a building's envelope, or thermal and moisture barrier, is essential for a comfortable, healthy, durable, and energy-efficient home. The course provides an exploration of the fundamental laws that govern the dynamic flows within a building in order to understand the interconnectedness of house systems. These fundamentals are necessary tools to use when making design, construction, and operation decisions that affect the sustainability of projects. Students will analyze best practices for managing thermal, air, and moisture flows to create a house that is healthy, safe, energy efficient, and durable.

Learn more about this course on the Earth Advantage® website.