

*Miami University Indoor Air Quality Practices:*

The Physical Facilities Department has an Air quality Technician (AQT) shop that performs repairs and preventive maintenance (PM), and responds to complaints recorded through the University's online work order system. PM activities include filter replacements and equipment servicing, as well as cleaning coils and condensate drain pans (to prevent microbial growth). The AQT shop also monitors temperature and HVAC system performance through a centralized monitoring and control system, and responds to systems alarms if a control point is out of range. They routinely test to ensure all components are calibrated and operating as designed. Temperature is monitored across campus. Some spaces also have humidity and/or CO2 sensors, which are also monitored. Balancing occupant comfort and operational cost, outside air economizers are used based on both temperature and humidity measures. Concerns or suspicions of mold or other air contaminants are handled by the Environmental Health and Safety Office. An on-staff Certified Industrial Hygienist (CIH) conducts indoor air quality investigations.

During business hours our academic and administrative buildings operate in what we call an "occupied" mode. In this mode the cooling set point is 74 degrees and the heating set point is 70 degrees. After business hours and on weekends (excluding evening class hours that are carefully scheduled) these buildings go into an "unoccupied" mode. In this mode the cooling set point is 80 degrees and the heating set point is 60 degrees. This still gives us the ability to manage temperature and humidity in the space but saves us energy when the buildings aren't being used.