

2023 Consortium Conference

AIR QUALITY IN CENTER FOR COMPUTING & DATA SCIENCES (CCDS)

CCDS is using a 100% outside air system that has a set of **MERV 16 filters** keeping all of the air entering the building as clean as possible. The same amount of air is being exhausted directly outside. At the classroom/office level there are fan coil units (FCUs) doing the heating and cooling. These operate by circulating the air from the room through a filter then through the hot/cold coil. Fresh air from the AHU is added as well. Currently these filters are scheduled to be replaced quarterly or as needed. The filters in the AHUs and Classroom FCUs were replaced before the start of classes.

All of this was calculated by the engineers to meet the ASHRAE guidelines along with some others. Links are included below.

- Link to MERV ratings: [What is a MERV rating? | US EPA](#)
- ASHRAE IAQ guidelines: [Ventilation for Acceptable Indoor Air Quality](#)
- Sustainability video (see part #6: Fresh Air): [Virtual Tour CCDS | Boston University](#)