



A HEALTHIER FUTURE **STARTS** **INDOORS: HIGHER EDUCATION**

With bustling facilities, high population densities and students traveling from near and far, college campuses face unique risks when it comes to keeping indoor environments safe. More than ever, higher education is evaluating buildings through a health lens – designing and retrofiting buildings to improve the way students and faculty learn, research and interact on campus. By implementing the right healthy building strategies, colleges and universities can not only reduce the risk of transmitting disease – they can turn schools into powerful tools for health and progress well into the future.

UNIVERSITY PRIORITIES



THE SCIENCE OF HEALTHY COLLEGES AND UNIVERSITIES

While much of the effort to create healthy indoor environments is focused on reducing the spread of disease, research has shown the potential benefits to be even greater. As we develop healthy building strategies on campuses, we can also harness opportunities to drive overall focus, performance and productivity for students and faculty alike.



HEALTHY COLLEGES AND UNIVERSITIES IN ACTION

From solutions that make an immediate impact to more ongoing and long-term strategies, leaders in higher education can take a number of actions to improve indoor air quality (IAQ), reduce the spread of infection and transform any campus building into a healthy building.

HEALTHY BUILDINGS ASSESSMENTS



BUILDING REUSE

- Upgrade filtration
- Increase outside air
- Install UVGI lighting



BUILDING IMPROVEMENT

- Access to on-demand supplemental HVAC equipment in the event of emergency
- Detailed site evaluations
- Ensure system is able to meet your ventilation and IAQ requirements



IAQ AND VENTILATION ASSESSMENT

- Test indoor air quality and current ventilation rates
- Particulate matter
- Volatile organic compounds
- Air changes/hour



SUSTAINING HEALTHY BUILDINGS STRATEGIES



BUILDING OPERATIONS AND MAINTENANCE

- Retro-commissioning of all building systems
- Controls upgrades
- Implement new best practices
- Ongoing air quality monitoring



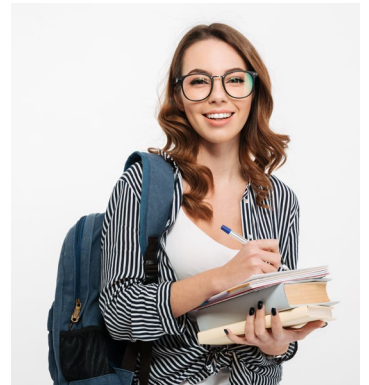
WELLNESS ASSESSMENT

- Healthy Building certifications
- Updated preventive maintenance
- Education of campus community via signage, public programming and reporting



OPTIMIZED HVAC

- Continuous monitoring, analytics and diagnostics of HVAC equipment, system and indoor air
- Building automation systems (BAS)



LONG-TERM HEALTHY BUILDINGS STRATEGIES



BUILDING UPGRADES

- Ongoing commissioning of HVAC equipment
- Implement best practices
- Capital planning for system upgrades



DEVELOPMENT OF NEW METRICS

- Monitoring:
 - Energy
 - IAQ
 - Carbon emissions
 - Healthy Building indicators
- Financing structures



NEW CONSTRUCTION GUIDELINES

- Intelligent buildings
- New construction certifications
- Develop campuswide IAQ engineering standards



CARRIER HEALTHY BUILDINGS PROGRAM

As the inventors of modern air conditioning and a global leader in intelligent climate and energy solutions, Carrier has a legacy of creating safe and comfortable buildings. Now we're building on that legacy through our Healthy Buildings Program. Our experts have in-depth knowledge and experience in higher education and a holistic suite of healthy building technologies and services to help meet the needs of the industry today and long into the future.

HEALTHY BUILDINGS ASSESSMENTS FOR HIGHER EDUCATION

At Carrier, we understand that many colleges and universities are facing uncertainty with how to move forward in developing a healthy building strategy. Retrofits, modernizations and upgrades must be done with student health and safety as a top priority, while being smart about costs, budgets and future requirements. Our experts are here to help – starting with assessments across various aspects of a building.

INDOOR AIR QUALITY
THERMAL COMFORT
OCCUPANCY FLOW
BUILDING MAINTENANCE
REGULAR HOUSEKEEPING
ENERGY EFFICIENCY

HEALTHY BUILDINGS SOLUTIONS FOR HIGHER EDUCATION

Carrier offers a full suite of products and services designed to help create safe and healthy environments for students, faculty and staff. The following are just a few highlights of our offering.

AIRSIDE TECHNOLOGIES



RMAP AIR PURIFIER



ACTIVAIR™ ACTIVE CHILLED BEAMS



AGION®-COATED
AIR-HANDLING UNIT



GET STARTED WITH AN EXPERT

From keeping students and staff safe to improving the overall learning experience, a healthier future starts indoors. Let's work together to unlock the enormous potential of healthy colleges and universities. Visit us at carrier.com/healthybuildings to learn more about our Healthy Buildings Program and connect with one of our experts.



HEALTHYBUILDINGS

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