



High humidity levels in a building can result in poor indoor air quality (IAQ). In schools and universities, this can be particularly troublesome as classroom comfort in the form of good IAQ has been shown to greatly impact teacher performance and student productivity. High humidity can also cause damage to carpeting, furniture, books and expensive computer & electronic equipment, and can contribute to mold and mildew spores which create health risks to students and faculty.

There are a variety of ways moisture can enter buildings and classrooms and raise humidity levels. Ground-water seepage, building/roof leaks, condensation and wet-cleaning processes (such as carpet shampooing) contribute to the problem. Add to this the latent load from a classroom full of students, as well as outdoor air infiltration through doors, windows and cracks, and the humidity management problem becomes quite challenging.

It is not uncommon to attempt to manage humidity by installing oversized air-conditioning equipment and adding reheating devices. Unfortunately, these techniques have several drawbacks, including being very inefficient and costly. The more efficient and effective solution to poor IAQ is the installation of a specialized dehumidification system as part of a new school design or a retrofit project.

Source specializes in engineering, installing, servicing and optimizing dehumidification systems from all major manufacturers. Our highly trained staff, combined with extensive experience with many types of challenging dehumidification projects, enables us to meet the very specific requirements of schools and universities.

Contact us today to find out more about how Source's Dehumidification Services can improve your facility.

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By using an effective desiccant or specialized vapor compression dehumidification system you can:

- **Realize a 20-40 percent energy savings!**
- Cost-effectively meet classroom airflow requirements and new ventilation standards (ASHRAE 62-1999)
- Ensure student and faculty comfort for a more effective teaching and learning environment
- Prevent mold and mildew growth on books, expensive equipment and furnishings
- Avoid toxic mold in buildings and reduce odors
- Increase the life of computer and electronic equipment by reducing corrosion and rust buildup
- Positively pressurize the area, preventing humidity infiltration