

LPAC 301



Heating & Cooling System Description
and
How it works.

SWARTHMORE COLLEGE

For Maintenance requests
Email workbox@swarthmore.edu or
Phone X 8280

Room Heating Tips.

Be certain that windows are shut tightly.

Don't forget the upper section of the window.

Windows that are not completely closed allow cold air into the room.

If your windows won't shut properly call Facilities Management at x8280 to report the problem.

Closing you window shades or draperies can help keep the cold out.

Don't place heat producing lamps or other appliances near the thermostat as this can fool the thermostat into reducing the heat supplied to the room.

Classrooms must be scheduled through "Space" or the Registrars office to have heating or cooling!

The heat for LPAC is supplied by steam from the boilers in the Heat Plant located across the street from the Field House. The boilers can burn either natural gas or #6 heavy oil. During the coldest weather the College can burn 5,500 gallons of oil a day to heat the various buildings. Cooling is provided by chilled water which comes from either McCabe Library or the chiller plant behind the Science center.

Underground pipes supply the steam to many of the buildings on the Campus. After the steam is used to heat the buildings it condenses back into water that's returned to the Heating Plant to be turned into steam again.

The steam sent to LPAC is used to heat water which is circulated through each air handler.

LPAC 301 is provided cooling, heating and ventilation air from vents in the ceiling. This air is supplied from a 10 horsepower air handler in the mechanical room.

Each room has it's own thermostat to control the space temperature. The thermostats are not adjustable by the room occupants.

College policy for heating in occupied times 68-72°. Thermostats are limited by the automation system to a maximum heating temperature of 72° and not lower than 64°. Cooling in occupied times is limited to not lower than 73°.

During unoccupied times the heating is reduced and in the summer unoccupied times the air conditioning is off.

LPAC is either heating or cooling and as such cooling can not be provided until the heating season is finished.

More College energy information can be found at;
<http://www.swarthmore.edu/x29161.xml>

LPAC room 301 heating / cooling system.

