

*Undergraduate Teaching Lab, MIT Chemical Engineering (Building 66)*



Located two levels below grade in the sub-basement of MIT's Building 66 (originally designed by I.M.Pei), we created a new 9,300 sf teaching laboratory for the principal undergraduate courses in Chemical Engineering.

In the Fall semester, undergraduates follow a proscribed sequence of experiments that require a standard configuration of lab benches. In the Spring semester, student teams design their own experiments, which require a highly flexible configuration for the lab.

Purified water, gas, compressed air, steam, nitrogen, power and data services were distributed at the ceiling, walls and along fixed spines. Fixed benches, fume hoods and biosafety cabinets were located at the perimeter. Movable benches on casters in the center of the lab allow easy reconfiguration to accommodate set-ups of larger, free-standing experiments. Separate areas contained a biosafety level BL-2 molecular biology lab and an analytic lab.

*Completed February 2002.*

