Atmospheric Chemistry is an interdisciplinary field that blends fundamental science with engineering and policy. It is a domain that is growing in scope, complexity, and demand as society grapples with burgeoning global, regional, and local challenges, including those in energy and public health. The minor is offered by the Departments of Earth, Atmospheric, and Planetary Sciences, Civil and Environmental Engineering, Chemistry, and Aeronautics and Astronautics, and the Institute for Data, Systems, and Society.

The minor requires five subjects. The core of the minor consists of three required subjects spanning thermodynamics and kinetics, atmospheric and ocean dynamics, air pollution, and atmospheric physics and chemistry, complemented by (at least) one subject in observations/applications, and one subject in the links of atmospheric chemistry to policy.

### Chemistry, Dynamics, and the Atmosphere

**Required Subjects**

1. **12.003** (http://catalog.mit.edu/search/?P=12.003)  
   Introduction to Atmosphere, Ocean, and Climate Dynamics

   Air Pollution and Atmospheric Chemistry

   Atmospheric Physics and Chemistry

4. **5.60** (http://catalog.mit.edu/search/?P=5.60)  
   Thermodynamics and Kinetics

### Observations/Applications

Select one of the following:

1. **12.310**  
   An Introduction to Weather Forecasting (http://catalog.mit.edu/search/?P=12.310)

2. **12.335** (http://catalog.mit.edu/search/?P=12.335)  
   Experimental Atmospheric Chemistry

   Aerosol and Cloud Microphysics and Chemistry

### Linkages of Atmospheric Chemistry to Policy

Select one of the following:

1. **12.301** (http://catalog.mit.edu/search/?P=12.301)  
   Climate Science

   Global Environmental Negotiations

   Science, Politics, and Environmental Policy

**Total Units**  57-60

A minimum of four subjects taken for the atmospheric chemistry minor cannot also count toward a major or another minor.

Further information on the minor may be obtained from Professor Susan Solomon (solos@mit.edu), or from Dr. Megan Jordan (mkjordan@mit.edu), EAPS Academic Program Administrator, 54-910, 617-253-3380.