



**GLOBE eTraining provides the opportunity for new and existing GLOBE users**, primarily educators, to complete science protocol training at any time, anywhere. GLOBE eTraining consists of multiple web-based, interactive and downloadable training modules, online assessments for each module, and access to support from GLOBE staff. In addition to the Introduction to GLOBE module, the following modules are currently available online:



## Atmosphere Modules

- Introduction to Atmosphere (Getting Ready to Study the Atmosphere)
- Air Temperature
- Aerosols
- Barometric Pressure
- Clouds
- Relative Humidity
- Surface Temperature
- Precipitation: Rainfall
- Precipitation: Snowfall



## Biosphere Modules

- Introduction to Biosphere (Getting Ready to Study the Biosphere)
- Biometry: Canopy and Ground Cover
- Biometry: Tree Height and Circumference
- Biometry: Graminoid/Shrub Height and Biomass
- Carbon Cycle: Standard Site
- Carbon Cycle: Non-Standard Site
- Green-Up
- Green-Down



## Hydrosphere Modules

- Introduction to Hydrosphere (Getting Ready to Study the Hydrosphere)
- Alkalinity
- Dissolved Oxygen
- Electrical Conductivity
- Nitrates
- Salinity
- Water Temperature
- Water Transparency
- Water pH



## Pedosphere Modules

- Introduction to Pedosphere (Getting Ready to Study Soils)
- Frost Tube
- Soil Bulk Density
- Soil Characterization
- Soil Fertility
- Soil Infiltration
- Soil Moisture: Gravimetric
- Soil Moisture: SMAP
- Soil pH

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## GLOBE eTraining



### GLOBE eTraining Certification Process

*Please note that one must have a GLOBE account before completing associated assessments for any module.*

To be considered trained, one must complete the Introduction to GLOBE module, an Introduction to <Sphere> module, and at least one other module and pass (80% or higher) the associated assessments. Once completed, the user will be able to enter data for all GLOBE protocols.

### Navigating the GLOBE eTraining Modules

The GLOBE eTraining modules are created using a web-based, interactive platform. Each module has a series of sections or lessons that walk educators through the most relevant parts of the different GLOBE protocols including background information, initial setup, gathering observations, data analysis and handling data. Each module may be downloaded into a PDF for easy sharing with students or others. The modules are geared towards educators, but may be taken by any GLOBE user.

Though not required, GLOBE recommends some modules as prerequisites for other modules that may support the understanding of protocol content. For example, Soil Characterization is recommended before completing the Soil Infiltration module. The suggested prerequisites are mentioned in the 'Assessment' section of each module.

### Learn More

For more information on GLOBE eTrainings, visit the [Protocol eTraining webpage](#) on the [GLOBE.gov](#) website.