EOL Educational Opportunities :: www.eol.ucar.edu/discovery
EOL Education Coordinator :: Alison Rockwell :: rockwell@ucar.edu
Request our Facilities :: www.eol.ucar.edu/edrequests
Facility Request Manager :: Brigitte Bauweraers :: bauweraers@ucar.edu
Summer Undergraduate Engineering Internship Program (SUEIP)
www.eol.ucar.edu/eng-intern
UCAR Opportunities :: www2.ucar.edu/opportunities
www.facebook.com/ncareol
www.twitter.com/ncareol
www.youtube.com/ncareol

RESOURCES
LEARN MORE ABOUT YOUR OPPORTUNITIES IN EARTH SCIENCE EDUCATION

INTERNSHIPS
SCHOOL VISITS
FIELD PROJECT PARTICIPATION
ONLINE MODULES

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INSPIRING THE NEXT GENERATION OF OBSERVATIONAL SCIENTISTS AND ENGINEERS

EOL knows the weather is fascinating to people of all ages. We take great efforts to promote curiosity about observational earth science, and to foster advanced understanding of the science and process of measuring the atmosphere. EOL is excited to share knowledge and inspire the next generation of atmospheric research scientists and engineers.

HOW WE PROMOTE CURIOUSITY ABOUT OBSERVATIONAL ATMOSPHERIC SCIENCE

We offer a variety of opportunities for your classroom: you may request one of NSF’s LAOF for deployment at your campus, visit one of our project sites, have your students join us for a summer internship, or arrange for one of our scientists to visit your classroom for a lecture and demonstration. Or you could download modules to supplement your curriculum. Your class could even follow the progress of science experiments by tracking data collected by our LAOF in real time.

You can follow us on Facebook and Twitter for news and photos on the latest developments and deployments, and we have dozens of videos on YouTube including one that describes several of the different types of jobs necessary to make atmospheric research possible. Visit www.eol.ucar.edu/discovery.

REQUEST OUR FACILITIES
GIVE YOUR STUDENTS A UNIQUE HANDS-ON LEARNING EXPERIENCE

If you are a university educator, EOL welcomes your proposals for temporary deployment of any of our NSF Lower Atmospheric Observational Facilities (LAOF) to your university. Supplement your curriculum with a unique hands-on learning experience your students won’t soon forget!

Proposals are judged on a variety of criteria, including: the actual activity; planned use of data collected; the number of students involved; and the length and dates of deployment.

Students may also submit a proposal for facilities as long as it is accompanied by faculty advisor approval. Among our most popular requested facilities for educational deployment are the Doppler on Wheels (DOWS) and our Mobile GPS Advanced Upper-Air Sounding System (MGAUS) and our Mobile In-Situ Sensing System (MISS). However, we have more instruments and platforms available for request. For a complete list, as well as instructions and criteria for submitting a proposal, visit www.eol.ucar.edu/ed-requests.

FIELD DEPLOYMENTS + SITE VISITS

Wherever we are in the world, our project sites are open to visitors. We often invite local students to the site during special open house days before, during and after a field operation. We encourage undergraduate meteorology and other classes to visit for in-depth orientations on atmospheric research and engineering. To see our list of field deployments, visit www.eol.ucar.edu/field_projects. If we are in your area, please contact our Education Coordinator.

SCHOOL VISITS + LECTURES AND DEMOS

EOL scientists and engineers frequently travel to local and regional schools for a variety of lectures and demonstrations on our observing instrumentation. You may want us to demonstrate a weather balloon launch and give a lecture about how we collect and use the data; or give a radar demonstration to discuss humidity and weather. We could give an overview of the careers involved with supporting scientific research to spark interest and make students think about the possibility of pursuing such a career. To find out more, or if you have an idea you would like to explore, contact the EOL Education Coordinator.

CONTACTS + MORE INFORMATION

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+ EARTH OBSERVING LABORATORY promoting curiosity about observational atmospheric science

SUMMER UNDERGRADUATE ENGINEERING INTERNSHIP PROGRAM
EXPERIENTIAL LEARNING IN A STATE-OF-THE-ART DEVELOPMENT FACILITY

Our interns spend their summers doing things like designing fairings for instrument installation on the most advanced airborne research platforms, or coding visualization software that allows airborne researchers to make split second decisions about flight objectives during rapidly-changing weather events. They may even spend part of the summer participating in a field deployment operating and supporting one of EOL’s observing systems!

These internships are open to undergraduate engineering students in electrical, mechanical, optical, software and aeronautical engineering. The application process begins in December of the preceding year. Candidates are required to submit a resume and a cover letter, including their field and/or area of interest. For more information visit www.eol.ucar.edu/eng-intern.