Education and Outreach

As part of the National Nanotechnology Infrastructure Network (NNIN), Georgia Tech’s Institute for Electronics and Nanotechnology (IEN) serves to educate beyond the borders of its campus. Our goals are to ensure a nano-literate public in Georgia and to encourage students to pursue education and careers in science, technology, engineering, or mathematics.

> **Undergraduate Research Opportunities in Nanotechnology**

The NNIN Research Experience for Undergraduates (REU) 10 week summer program allows undergraduates a chance to pair with graduate level nanotechnology researcher-mentors and gain hands-on lab and cleanroom experience on active IEN research projects. ([http://nnin.org/research-experience-undergraduates](http://nnin.org/research-experience-undergraduates))

> **NNIN Research Experiences for Teachers (RET)**

An 8 week summer program for middle/high school teachers and community college faculty. Participants are actively engaged in research in our cleanroom and laboratories while working with a faculty member associated with IEN.

> **Outreach Education**

NNIN’s K-12 outreach programs have been designed for all age/grade levels. Outreach programs can accommodate schools to Georgia Tech campus or Georgia Tech instructor to schools. A variety of programs are available, from introduction to nanoscience to hands-on activities.

> **Teacher Professional Development Workshops**

Workshops for K-12 teachers are offered to help teachers incorporate nanoscale science into their instruction. Workshops can be at a school, district, Regional Educational Service Agency (RESA), or here at the IEN. Workshops are hands-on and include materials which are standards-based and connected to science topics currently taught in the classroom.

> **Lab Experience for Faculty**

A research program for underrepresented faculty or faculty from minority serving institutions that come to IEN to perform research during the summer.

For more information on specific NNIN programs at IEN please visit: [ien.gatech.edu/GTnnineducation](http://ien.gatech.edu/GTnnineducation)
Georgia Tech houses the national office for NNIN’s education and outreach programs. NNIN provides a wide variety of educational outreach in nanotechnology that reaches school-aged children through adult professionals. The mission of The Georgia Tech NNIN Education and Outreach Office is to provide educational programs for young people, teachers, undergraduates, graduate students, adult professionals, and the general public. Our goals are to ensure a nano-literate public in Georgia and to encourage students to pursue education and careers in science, technology, engineering, or mathematics, and particularly in nanotechnology.