

# INVENTS

*A living/learning community for new engineering and science students at Virginia Tech*



Presentation by Richard Benson, Virginia Tech Dean of Engineering  
“Cool Ideas” Session of the Engineering Deans Institute  
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# Large and Diverse Student Body



COE Freshman Class Demographics				
	Fall 2005		Fall 2013	
All	1139	100%	1447	100%
Men	961	84.4%	1122	77.5%
Women	178	15.6%	325	22.5%
Asian-American	98	8.6%	222	15.3%
African-American	24	2.1%	39	2.7%
Hispanic/Latino	21	1.8%	81	5.6%
American-Indian	2	0.2%	3	0.2%
Multiple/Unknown	?	?	96	5.9%

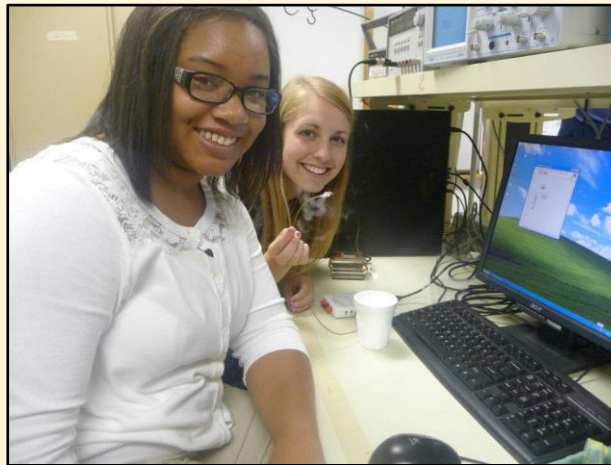
Virginia Tech annually enrolls and graduates an engineering class that is always in the top-ten in the nation. We are indebted to Bevlee Watford and the **Center for the Enhancement of Engineering Diversity** for our recruiting and retention successes.

# Before They are Hokies

**IMAGINATION:** A two-week day-camp for middle-school students that provides hands-on engineering activities.

**PRE-COLLEGE INITIATIVE:** Gives high school students opportunities to visit VT throughout the year and participate in both academic and social activities, including the “Spring Fling” as guests at the spring football game.

**COMPUTERS & TECHNOLOGY AT VIRGINIA TECH (C-TECH<sup>2</sup>):** A two-week residential camp for high school girls that provides hands-on engineering activities.



# About to Become Hokies

**WOMEN'S PREVIEW WEEKEND:** A weekend visit to campus for women offered early-admission to the College of Engineering.

**STUDENT TRANSITION ENGINEERING PROGRAM (STEP):** Gives entering students a five week "running start" in the summer between high school and college.



# Graduating as Hokies!

**GALILEO:** a residential learning community for first and second year men.

**HYPATIA:** a residential learning community for first and second year women.

**PEER MENTORING:** links experienced upper-class engineering students with selected first-year students.



# INVENTS

In April 2013 we dedicated the new INVENTs residential community in Lee Hall for freshmen in the Colleges of Engineering and Science. Bev Watford, working with her Science counterpart, Jill Sible, secured a dormitory for students participating in Hypatia and Galileo (Engineering), and Curie and DaVinci (Science). The dorm includes a classroom and a design laboratory. Todd Spurgeon (far right) built his own 3D printer using off-the-shelf parts.

