

VT ROCKSAT-X

DESIGN,
BUILD, AND
TEST A
ROCKET PAYLOAD FOR
LAUNCH TO SPACE



LOOKING FOR:

- Hands on, motivated students, especially AOE, ECE, CS, & ME
- Gain valuable, hands-on experience with electronics, mechanical design, programming, and systems engineering
- Participate in design reviews with program managers and NASA engineers
- Work closely with AOE and ECE professors
- Travel to NASA Wallops to participate in testing and to see the Terrier-Improved Malamute rocket launch up-close in August 2012



THE PAYLOAD

- Space dust instrument from Baylor University will collect in-situ measurements of the linear momentum and direction of dust particles
- Optical Nitric Oxide (NO) sensor will measure NO concentrations in the upper atmosphere.
- Power system, structure, mechanisms, and flight computer will facilitate operation of the science instruments



INTERESTED?

- Email Robbie at voorhies@vt.edu to learn more