Program in Solar and Terrestrial Physics (STP)

A joint program between the Yale Geology/Geophysics and Astronomy departments to study the physical mechanisms common to the Sun and Earth that govern their changes over time.

The joint STP program will be an unique collaborative effort between a space sciences and Earth sciences department, poised to exploit the growing convergence between key elements of the study of the Sun and Earth. The core mission of this program is to attract and educate new graduate students who will have the fluency across disciplines to generate the new discoveries that will become possible.

The program is founded on four key study areas: fluid mechanics, computational methods, radiative
transfer, and thermodynamics. Aside from fulfilling coursework in these fundamentals, students will have wide flexibility in designing a curriculum to suit their particular area of interest. Additional courses are offered by both departments in many topics including solar physics, atmospheric waves and convection, continuum mechanics, Earth's climate history, and others.

For more information, contact Steven Sherwood (Steven.Sherwood@yale.edu) or Sarbani Basu (Basu@astro.yale.edu)